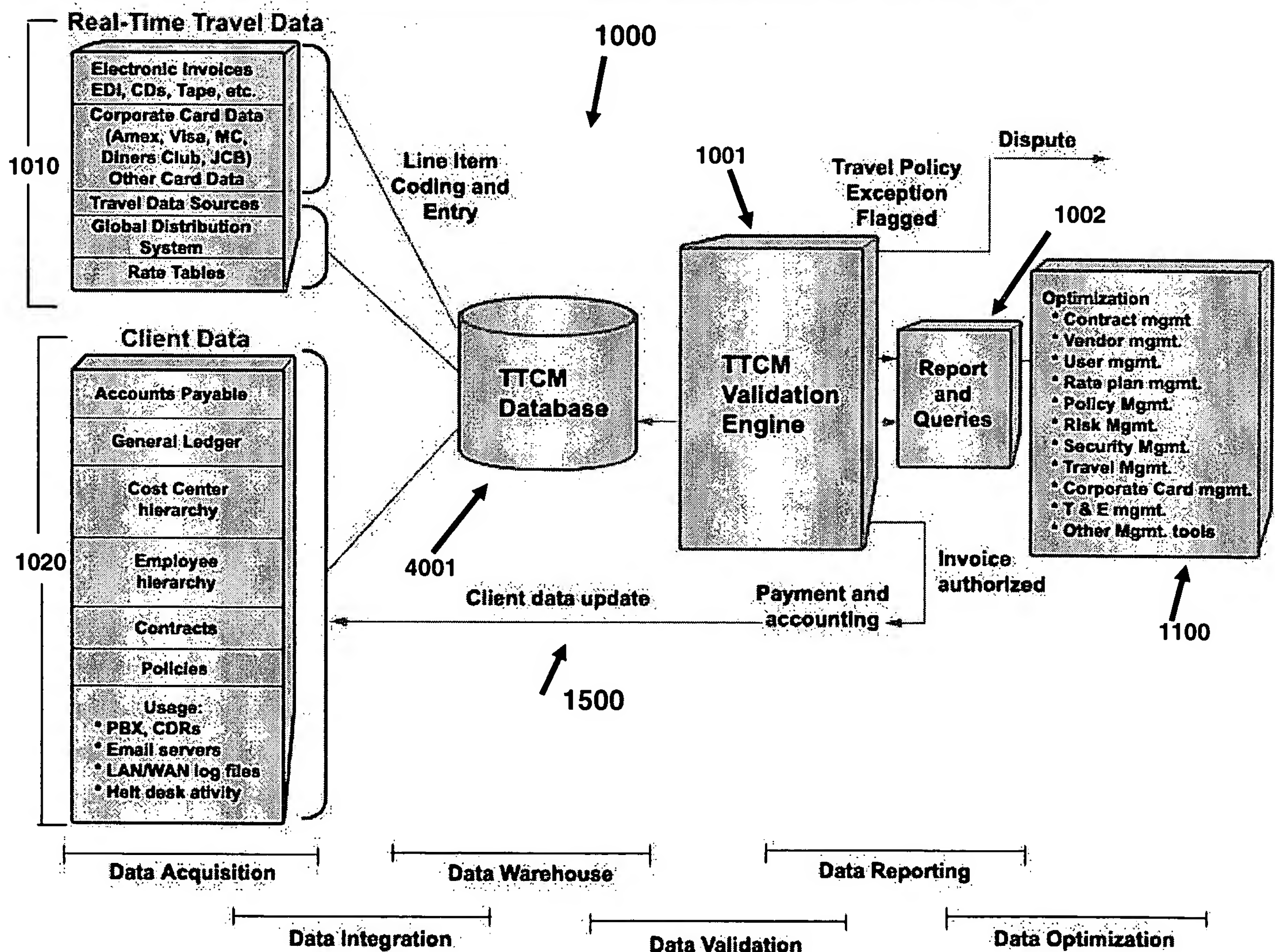
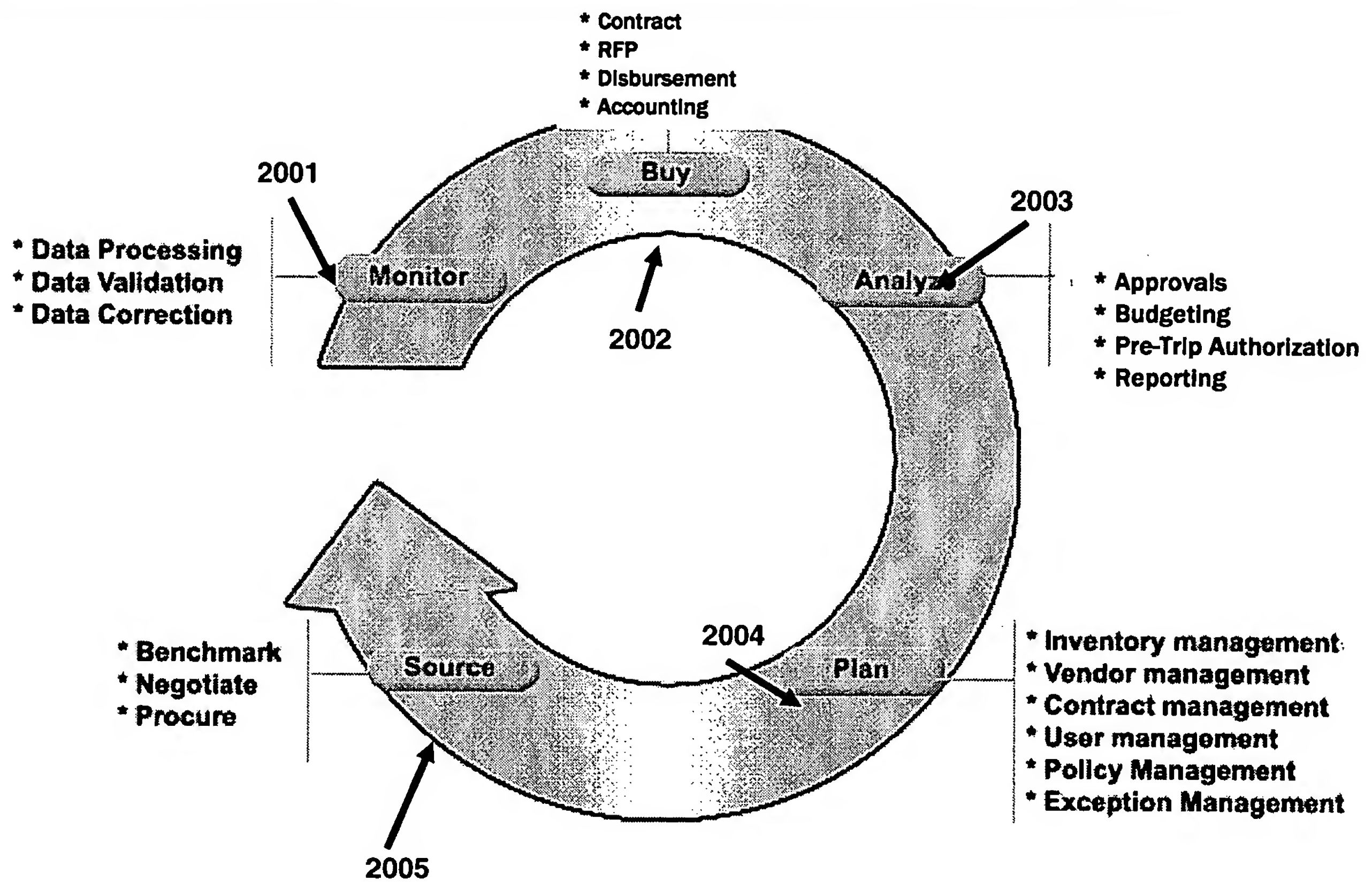


Figure 1: How Total Travel Cost Management (TTCM) Works



**Figure2: Total Travel Cost Management (TTCM) Service Lifecycle**



3/44

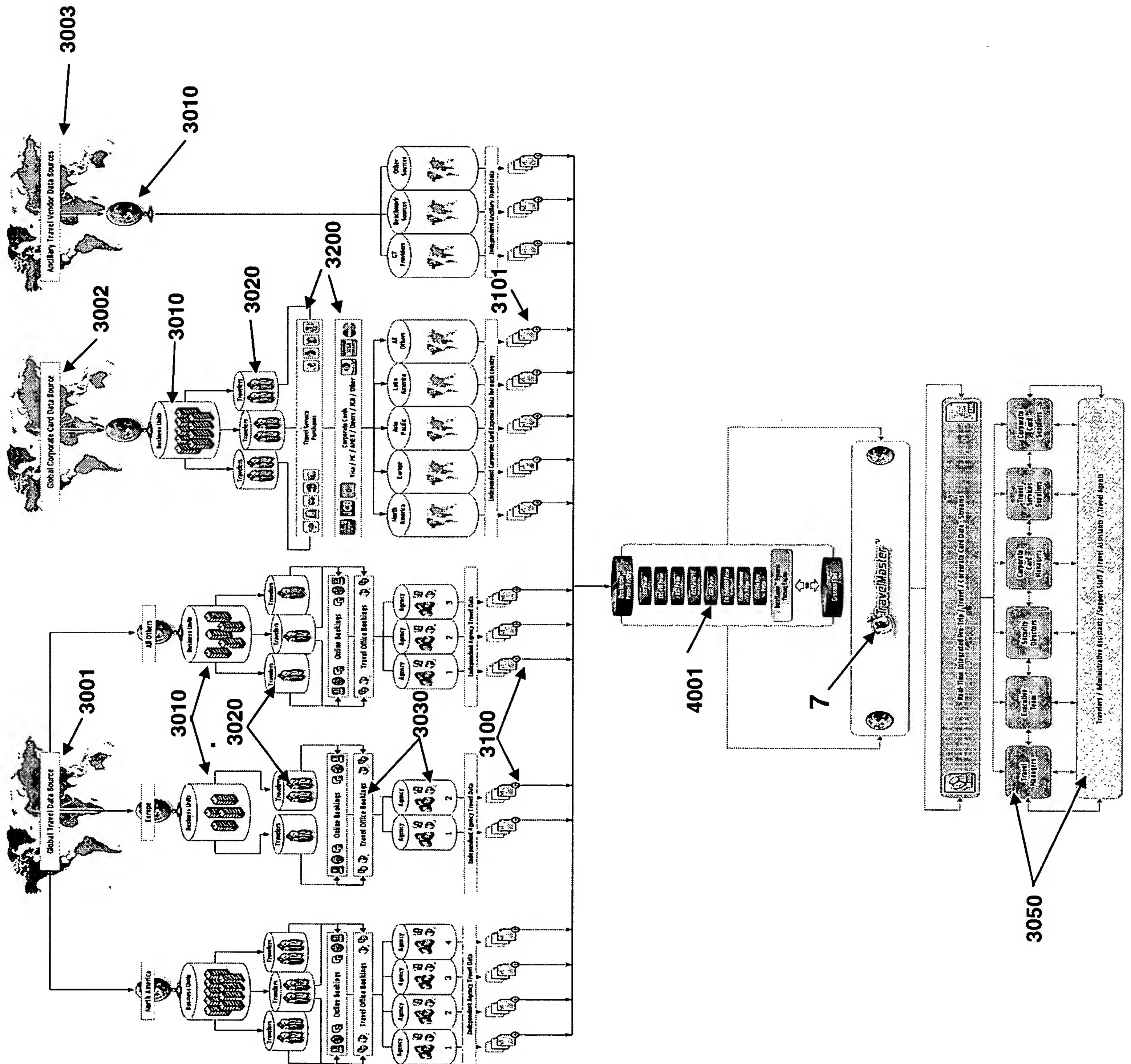




Figure 4

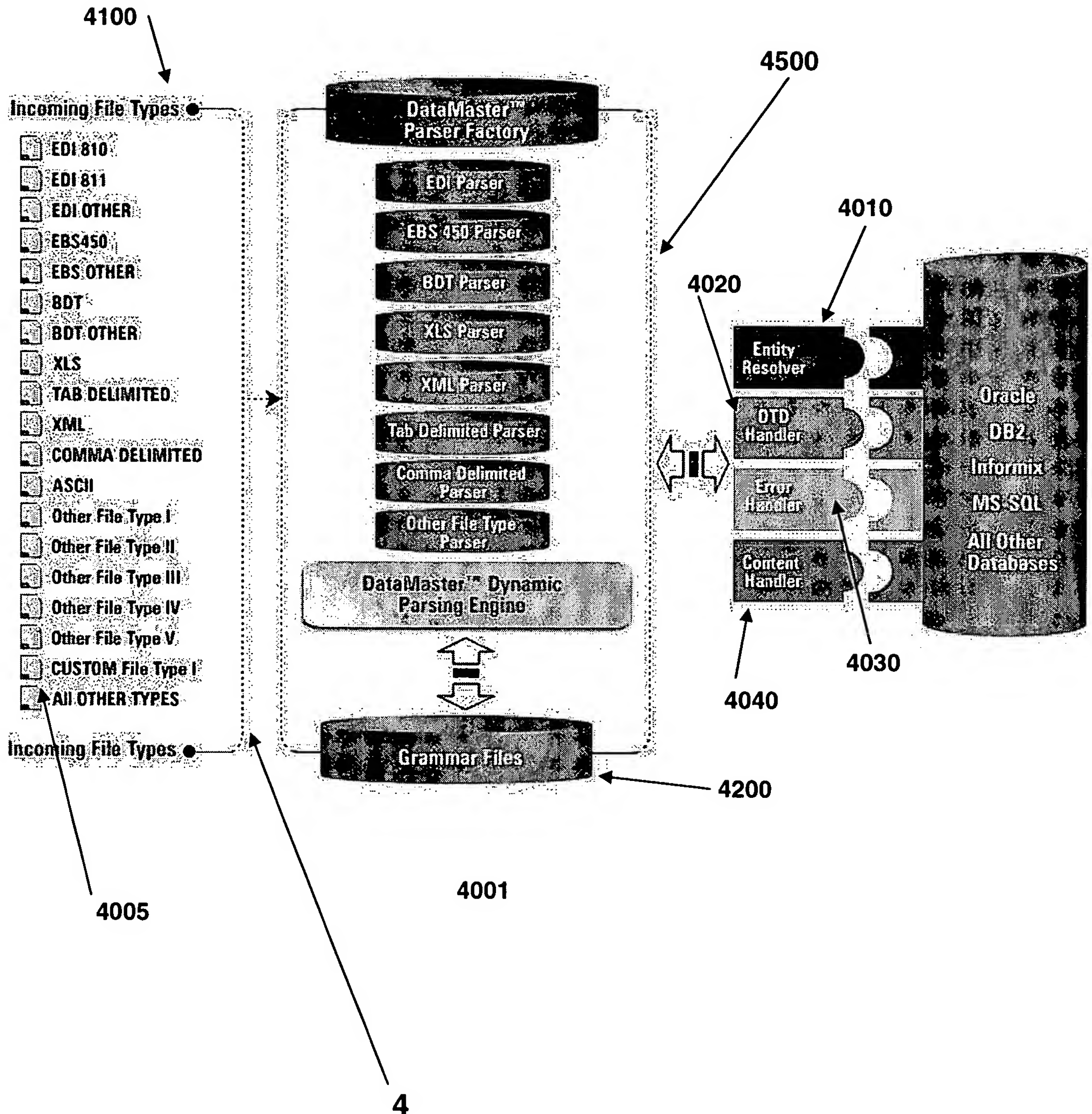
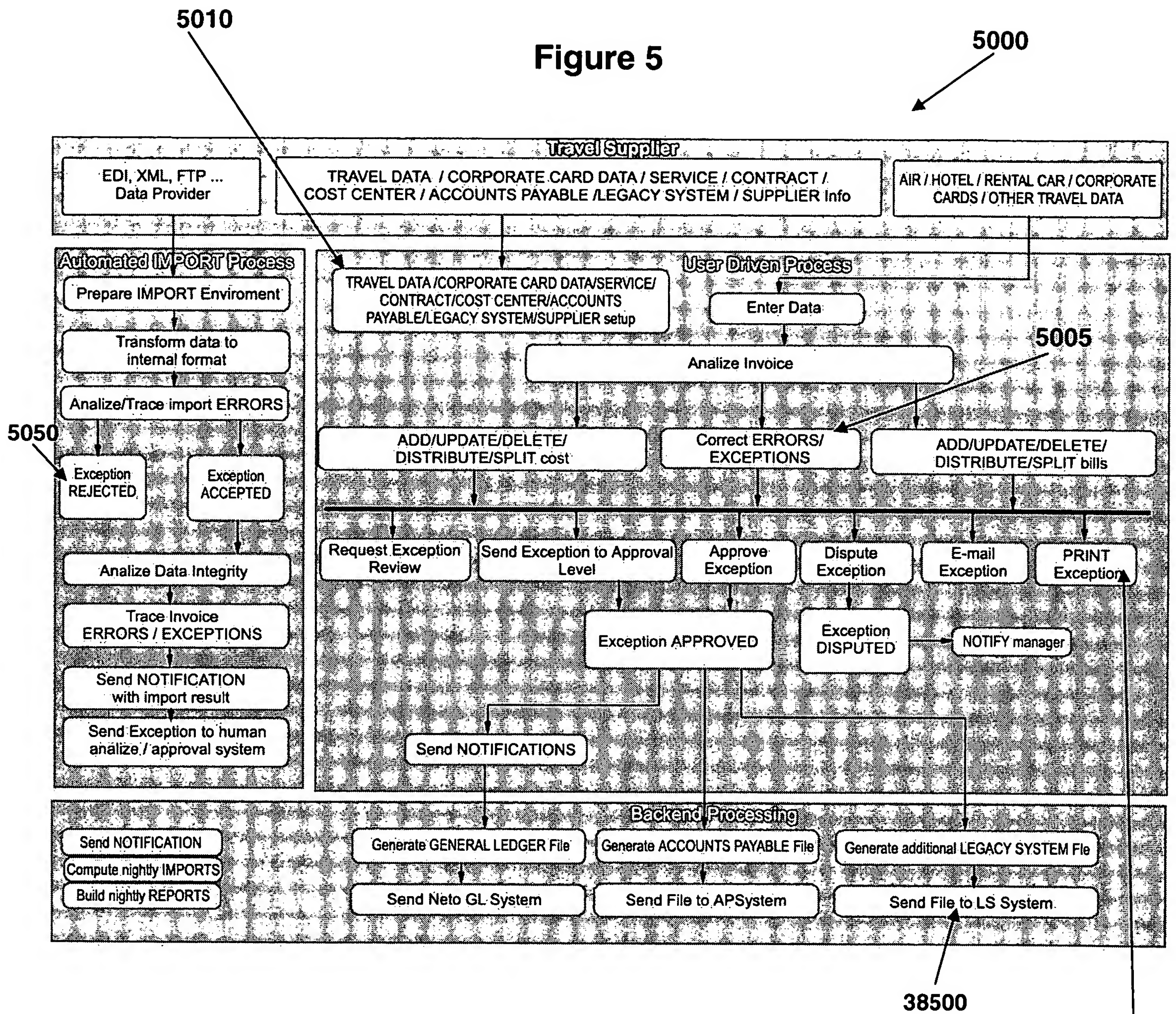




Figure 5





**Figure 6**

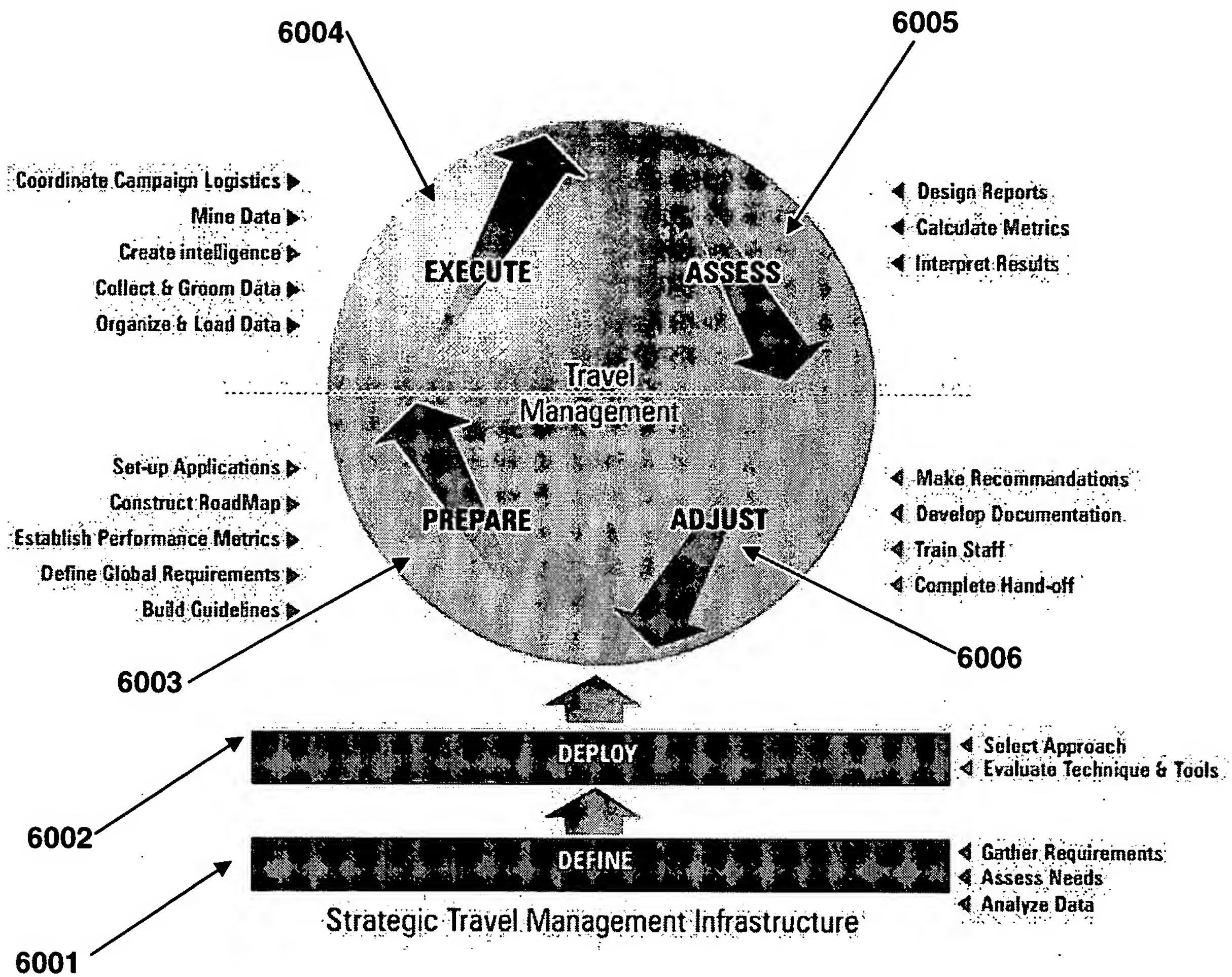


Figure 7

Open Application Architecture

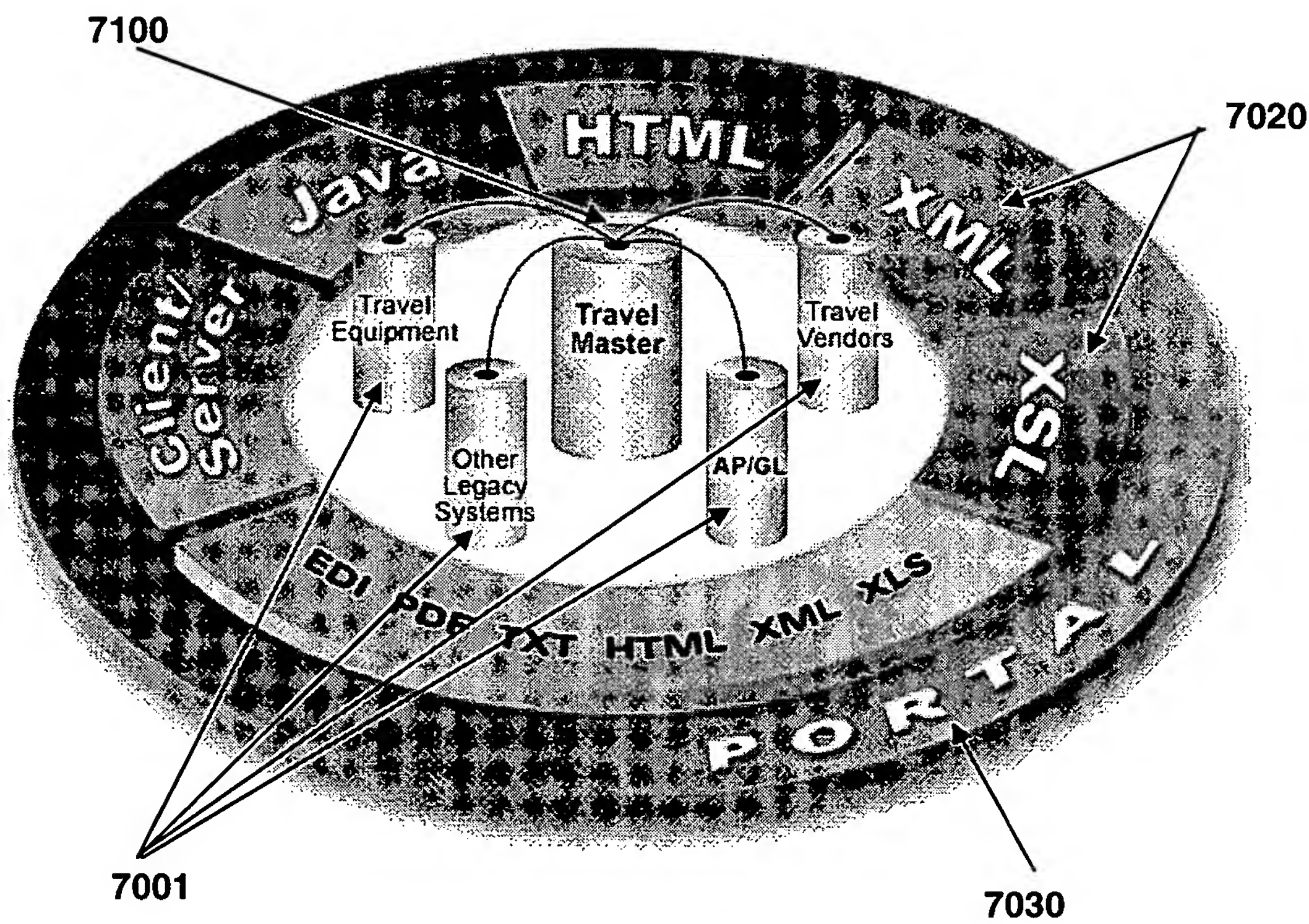
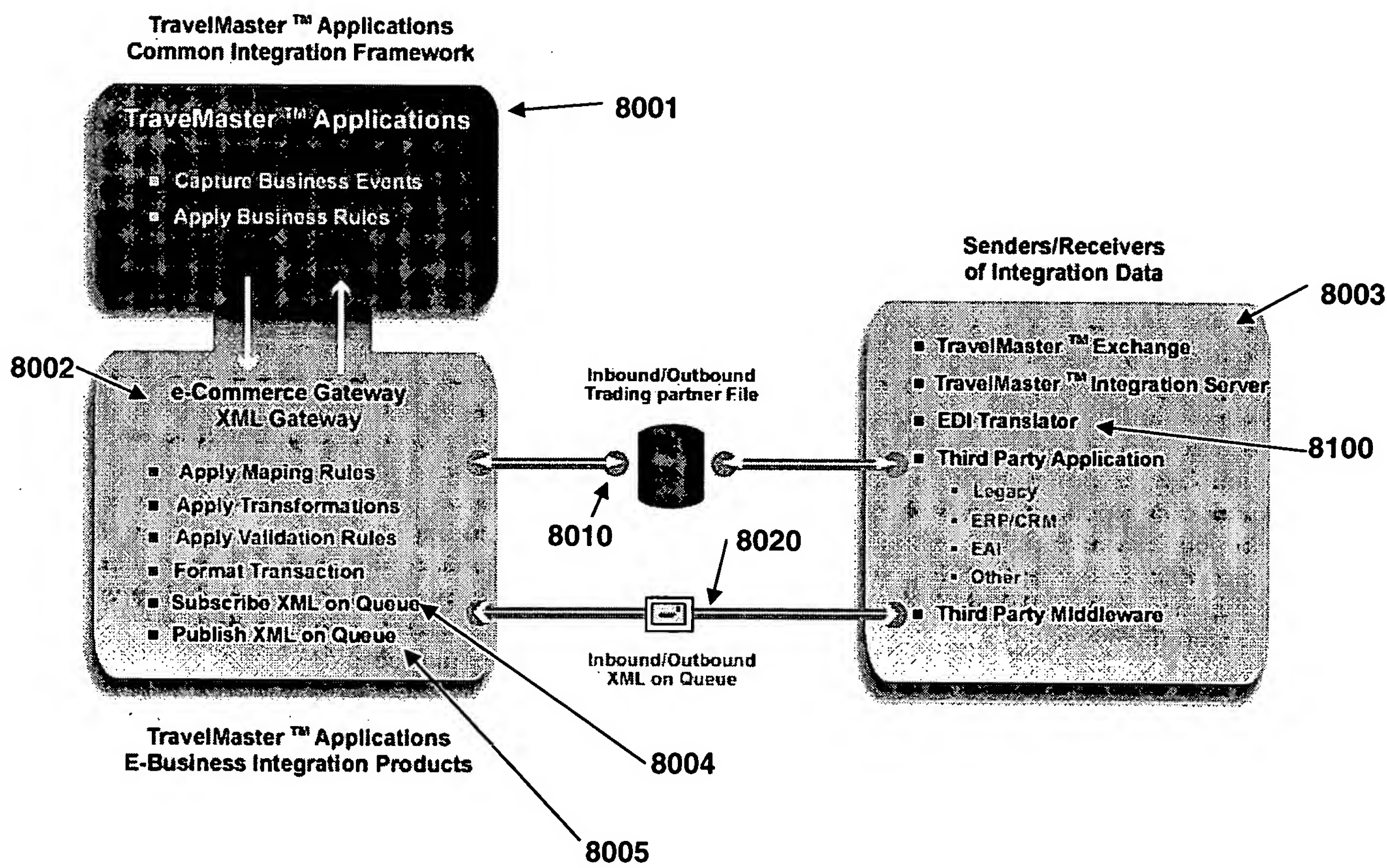




FIGURE 8



**FIGURE 9**

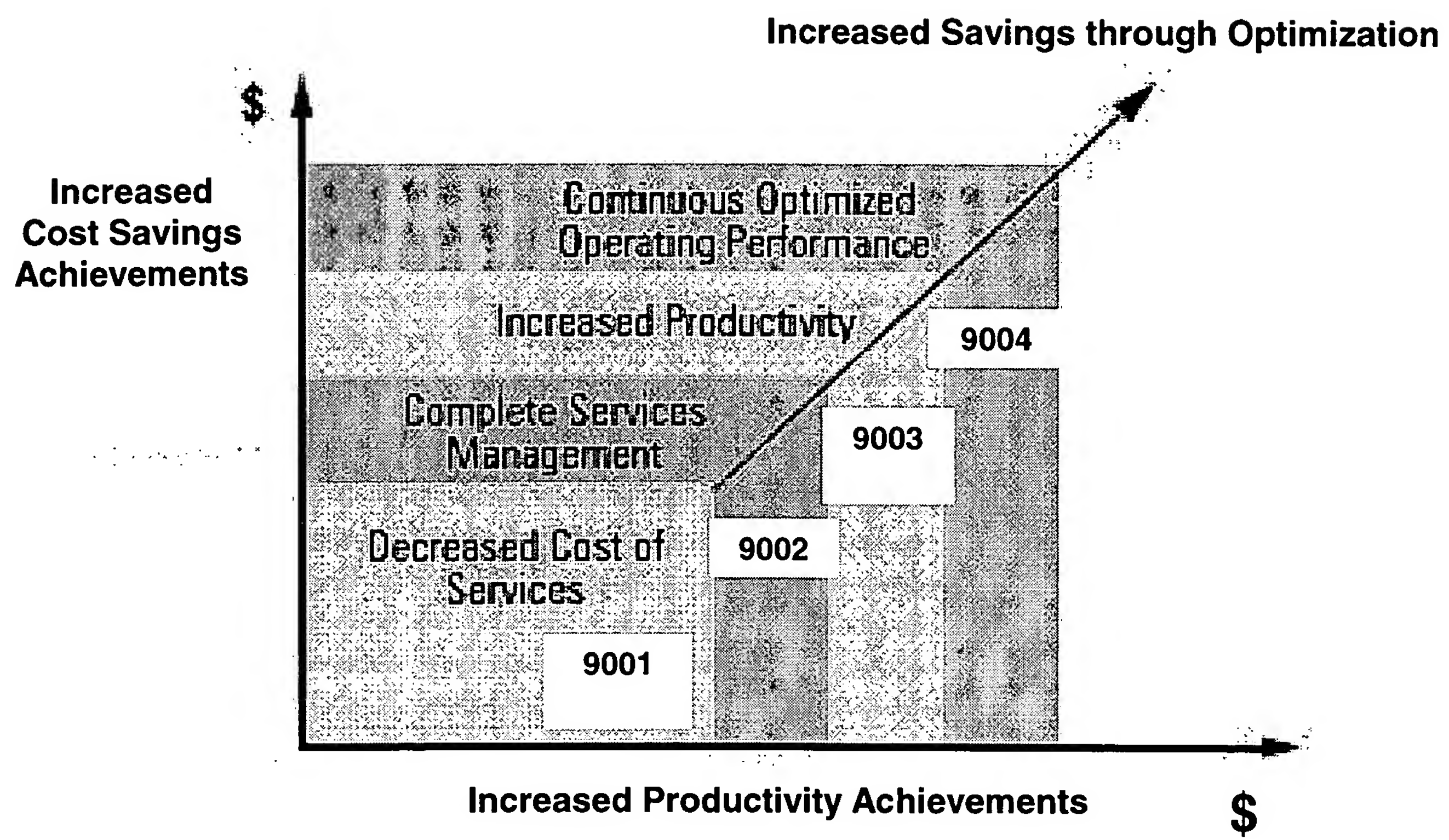
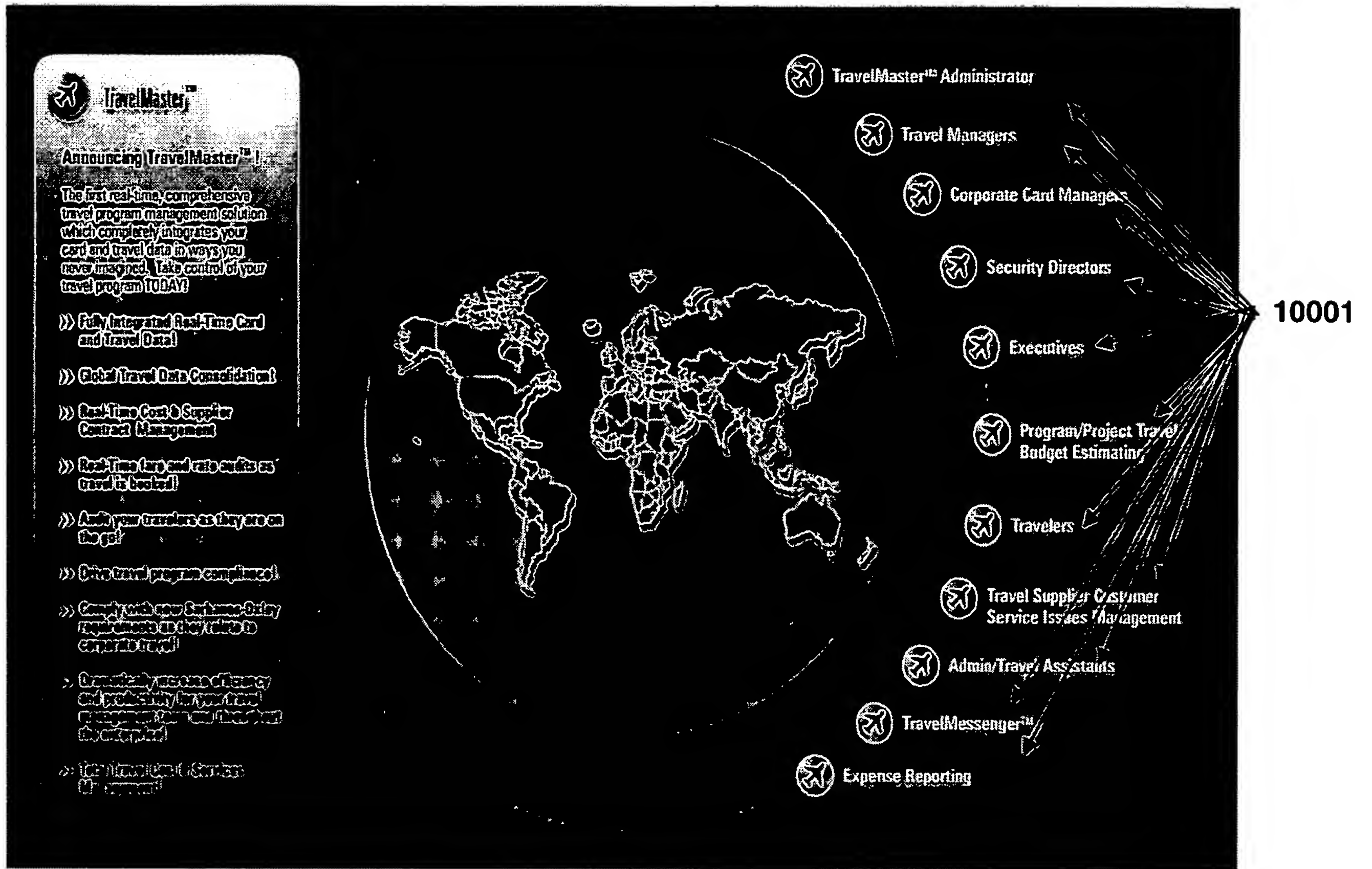


FIGURE 10





## FIGURE 11



FIGURE 12

TravelMaster - Microsoft Internet Explorer

MANAGEMENT  
TIP CORPORATION

Victoria Wofford (Travel Manager)

TravelMaster

LOGOUT | MEETINGS AND ACTION ITEMS | TRAVEL MANAGEMENT | PRE-TRIP APPROVALS | TRAVELER REPORTING | POLICY EXCEPTIONS | REPORTS | Shortcuts

Pending Travel / Travel in Progress (Real-time Booked vs Actual)

Trips Booked And/Or In Progress - (As of April 23, 2003)

View Summary

Record Locator	Passenger	Departure Date	Routing	View Full Itinerary	Return Date	Airline	Hotel	Rental Car	Ticket / Airline Changes	Hotel Utilized	Rental Car Utilized
AOLUDQ	DILLARD, THOMAS E	22-Jan-03	BOS/LAX/BOS	BOS/LAX/BOS	24-Jan-03	UNITED [Preferred]	MARRIOTT LAX - (310) 337-6358 [Preferred]	HERTZ [Preferred]	NONE	HOLIDAY INN SAN FRANCISCO [Preferred]	Avis [Preferred]
FOJING	MILLER, MIKE S	23-Jan-03	BOS/SFO/BOS	BOS/LAX/BOS	23-Jan-03	UNITED [Preferred]	HOLIDAY INN SAN FRANCISCO - (510) 673-4524 [Preferred]	HERTZ [Preferred]	NONE	MARRIOTT LAX AIRPORT [Preferred]	NO CHANGE
OTLHAR	DREW, KAREN	25-Jan-03	BWI/TPA/BWI	BWI/TPA/BWI	29-Jan-03	American	AMERISUITES TAMPA AIRPORT - (813) 222-1148 [Preferred]	HERTZ [Preferred]	NONE	NO CHANGE	AVIS [Preferred]
FNHDMF	KOLE, DAVID A	10-Feb-03	CVG/DCA/CGV	CVG/DCA/CGV	14-Feb-03	Northwest	HOTEL HELIX (202) 332-3519 [Preferred]	HERTZ [Preferred]	NONE	RAMISON HOTEL BOSTON [Preferred]	NO CHANGE
EDPLPX	SMITH, DEANNA S	15-Jan-03	DCA/MSW/DCA	DCA/MSW/DCA	16-Jan-03	UNITED [Preferred]	HOLIDAY INN HUNTSVILLE - (256) 484-5782 [Preferred]	HERTZ [Preferred]	NONE	NO CHANGE	THRIFTY [Preferred]
DZALJW	HARRETT, HAROLD W	13-Jan-03	DFW/DCA/DFW	DFW/DCA/DFW	14-Jan-03	UNITED [Preferred]	CROWNE PLAZA WASHINGTON - (202) 532-9125 [Preferred]	HERTZ [Preferred]	AMERICAN AIRLINES [Non Preferred]	MILTON FRANKFURT [Preferred]	HERTZ [Preferred]

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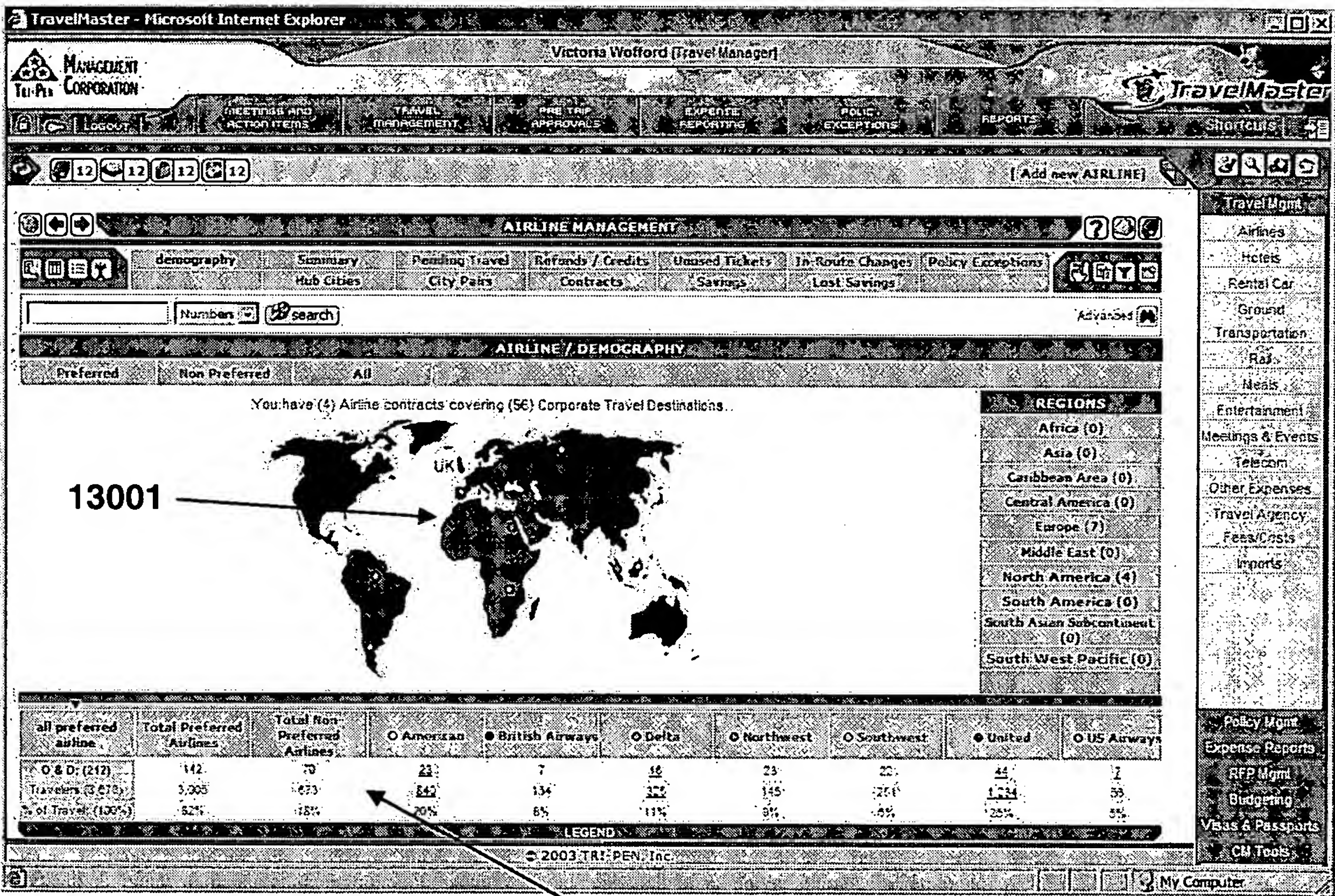
Done | My Computer

Travel Mgmt  
Airlines  
Hotels  
Rental Car  
Ground Transportation  
Rail  
Meals  
Entertainment  
Meetings & Events  
Telecom  
Other Expenses  
Travel Agency Fees/Costs  
Imports  
Policy Mgmt  
Expense Reports  
RFP Mgmt  
Budgeting  
Visas & Passports  
CM Tools

12001



FIGURE 13





# FIGURE 14

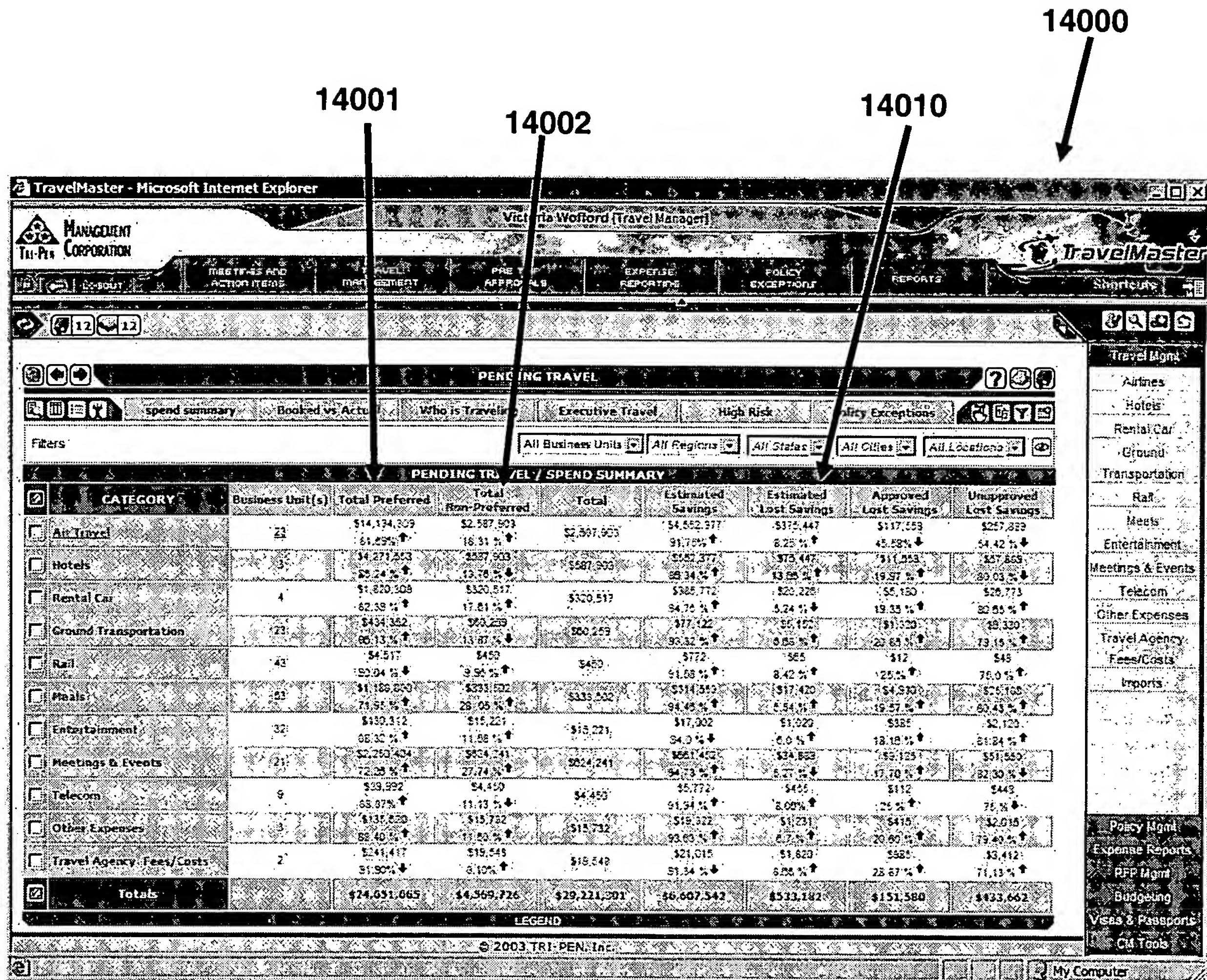


FIGURE 15

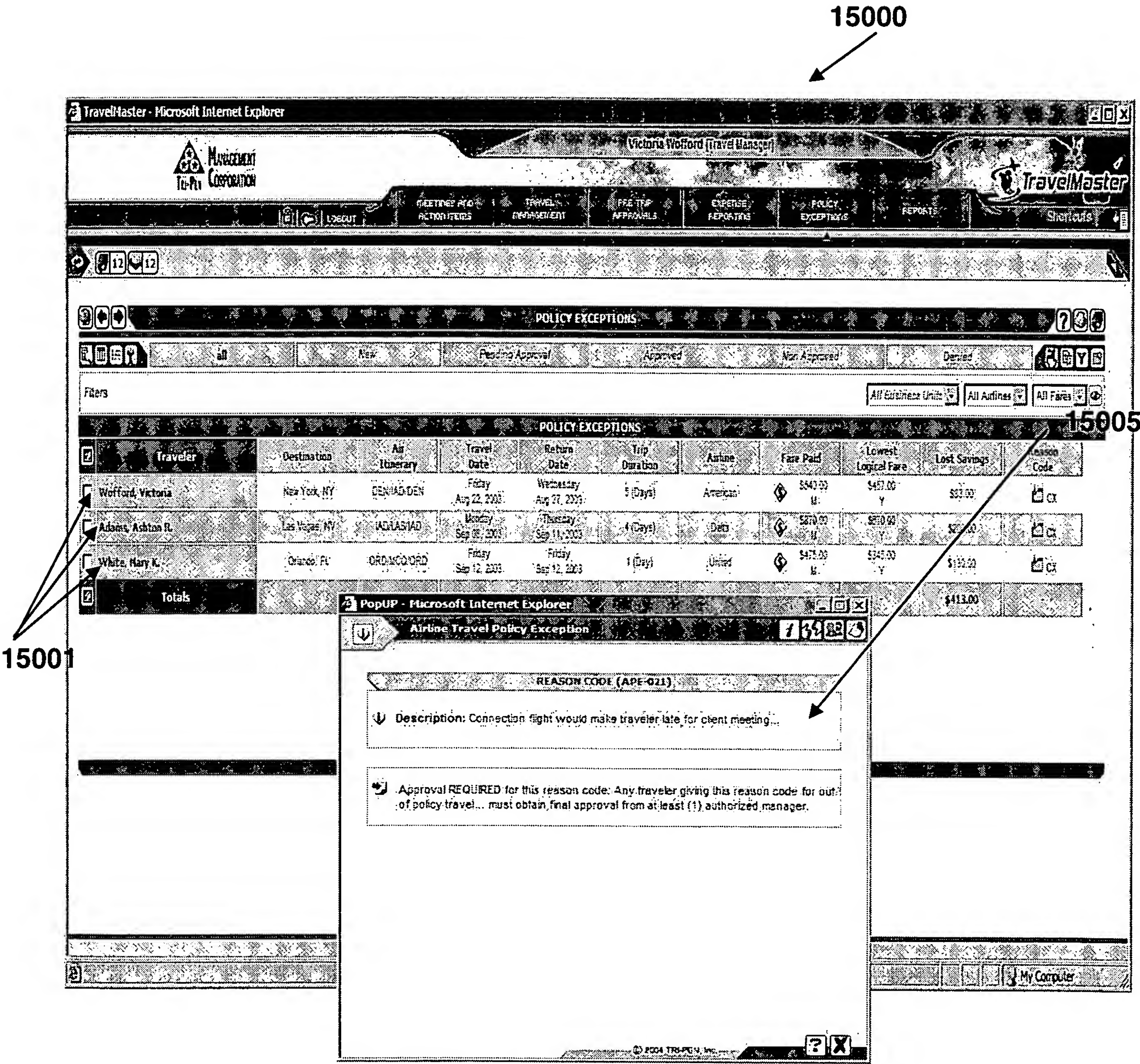




FIGURE 16

TravelMaster - Microsoft Internet Explorer

Victoria Wolford [Travel Manager]

MANAGEMENT CORPORATION

Logout | MEETINGS AND ACTION ITEMS | TRAVEL MANAGEMENT | FREE TRIP APPROVALS | EXPENSE REPORTING | POLICY EXCEPTIONS | REPORTS | Shortcuts

[Travel Expense Summary] [YTD Averages] [Settings]

EXPENSE REPORT MANAGEMENT

summary | Pending | Overdue | Declined | Paid | Cost of Noncompliance

Filters: All Business Units | All Regions | All States | All Cities | All Cares

Report Categories	Total Trips	Total Divisions Reporting	Employees Reporting	Total Reports	Total Expenses	Total Company Expenses
<input checked="" type="checkbox"/> Transportation	2,345	79	761	2,156	\$14,343,773	\$2,414,147
<input type="checkbox"/> Airfare	715	12	122	629	\$5,580,327	\$942,699
<input type="checkbox"/> Other	280	5	25	224	\$360,053	\$128,120
<input type="checkbox"/> Personal Auto	415	17	137	412	\$2,435,563	\$425,663
<input type="checkbox"/> Rental Car	339	14	181	363	\$2,568,129	\$458,210
<input type="checkbox"/> Taxi/Limo/Car Service	629	9	163	351	\$980,220	\$113,229
<input type="checkbox"/> Train / Rail	169	22	112	173	\$1,353,324	\$349,226
<input checked="" type="checkbox"/> Lodging	1,032	229	893	2,440	\$4,685,654	\$740,129
<input type="checkbox"/> Hotel	1,032	229	893	2,440	\$4,685,654	\$740,129
<input checked="" type="checkbox"/> Meals	10,120	522	892	2,093	\$3,218,993	\$510,547
<input type="checkbox"/> Meals (Alone)	566	104	452	1055	\$1,317,761	\$210,200
<input type="checkbox"/> Breakfast (Alone)	62	98	70	190	\$210,328	\$32,650
<input type="checkbox"/> Dinner (Alone)	31	120	195	368	\$583,270	\$95,623
<input type="checkbox"/> Lunch (Alone)	236	134	165	296	\$467,231	\$72,113
<input type="checkbox"/> Snacks / Other (Alone)	47	56	79	202	\$150,564	\$9,817

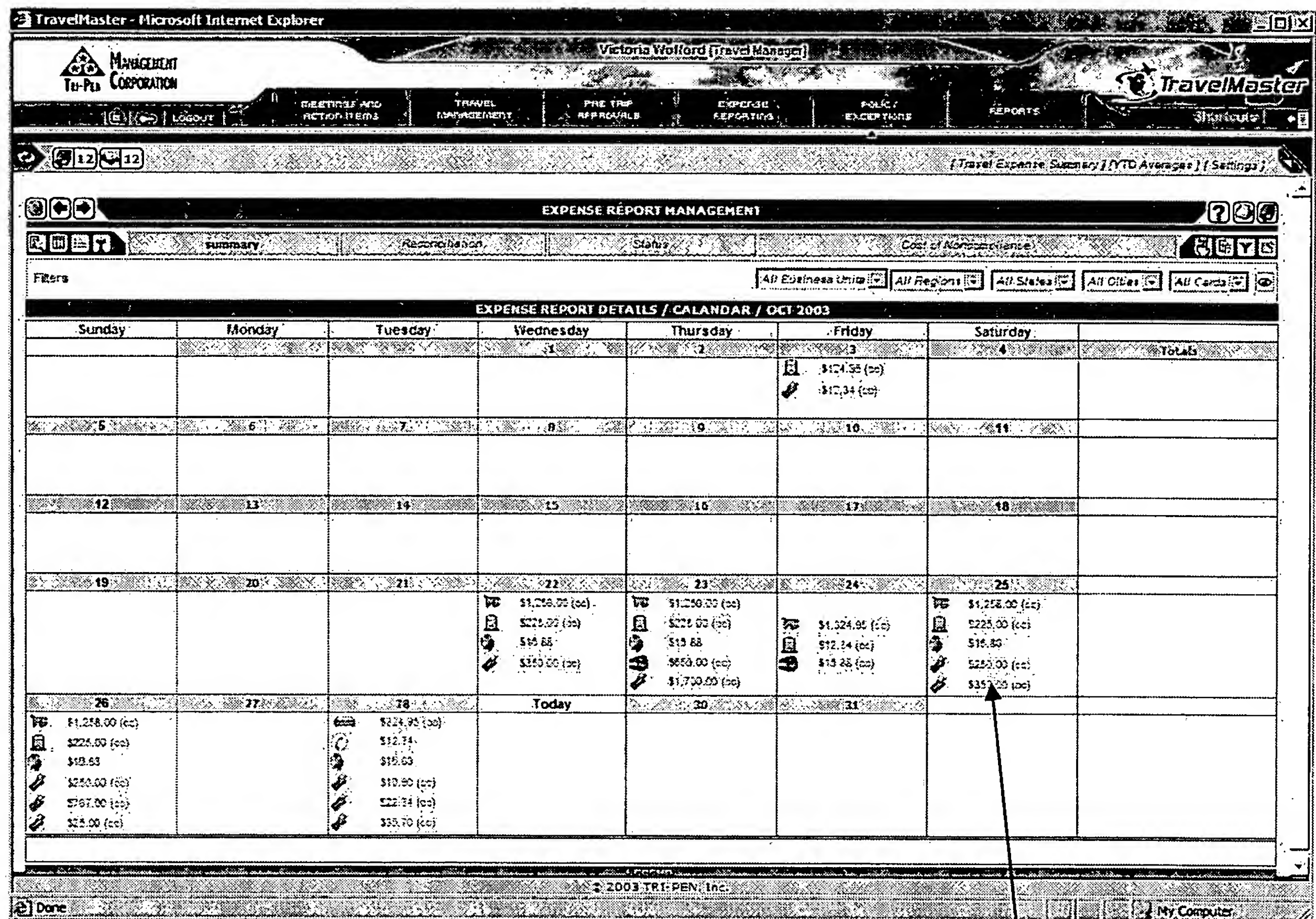
© 2003 TRI-PEN, Inc.

My Computer

16001



FIGURE 17



17001

17005

FIGURE 18

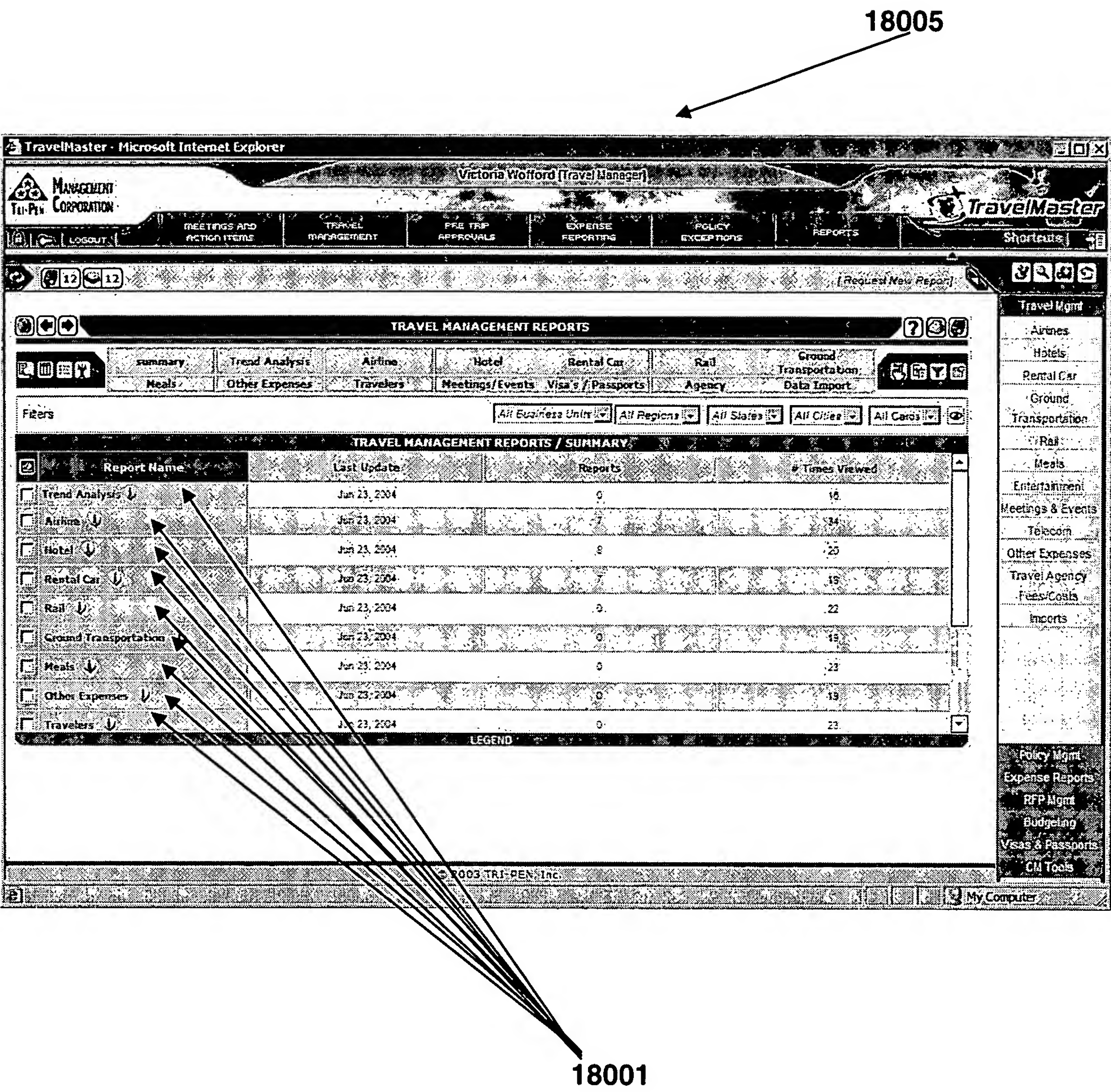
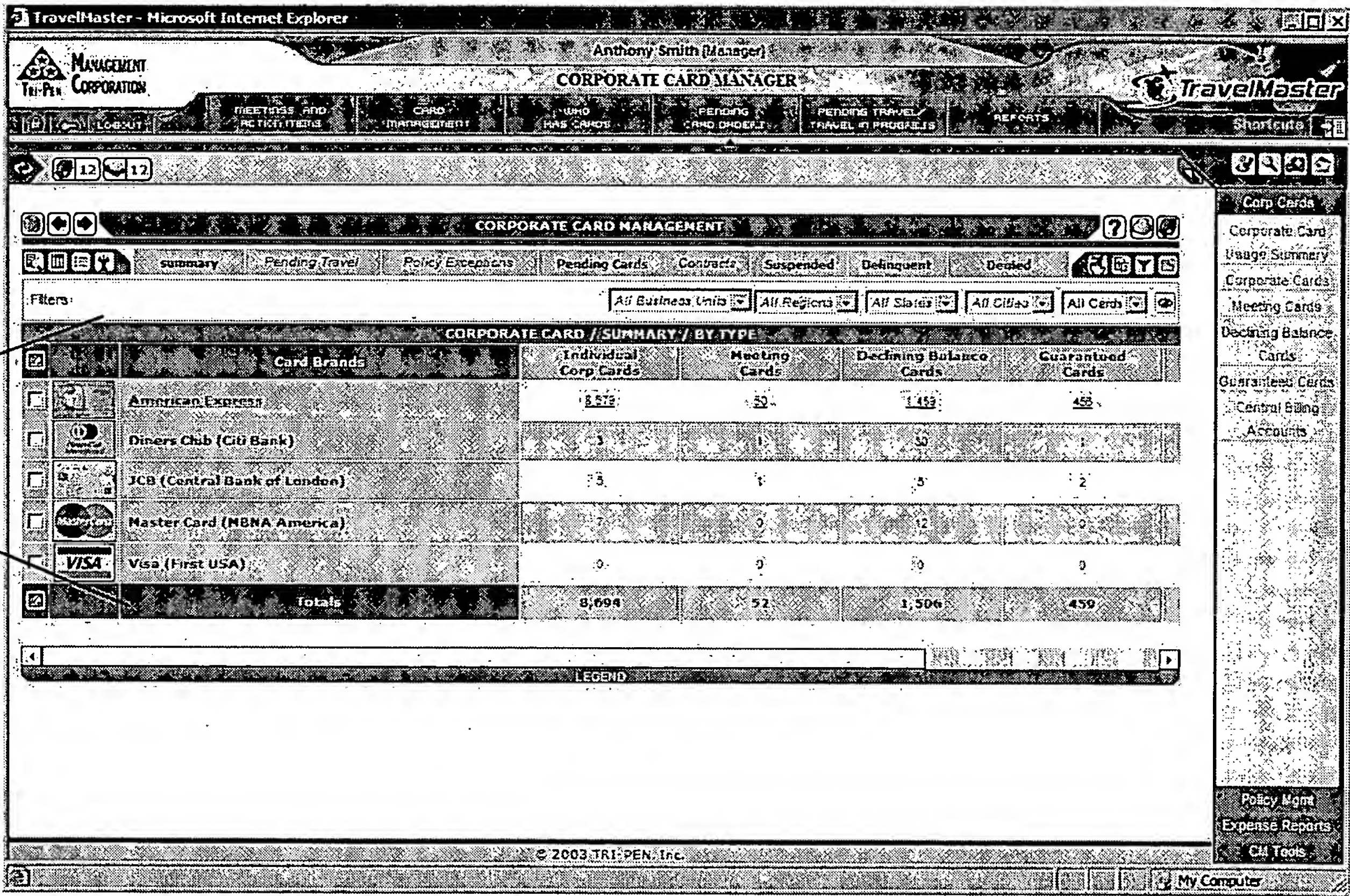




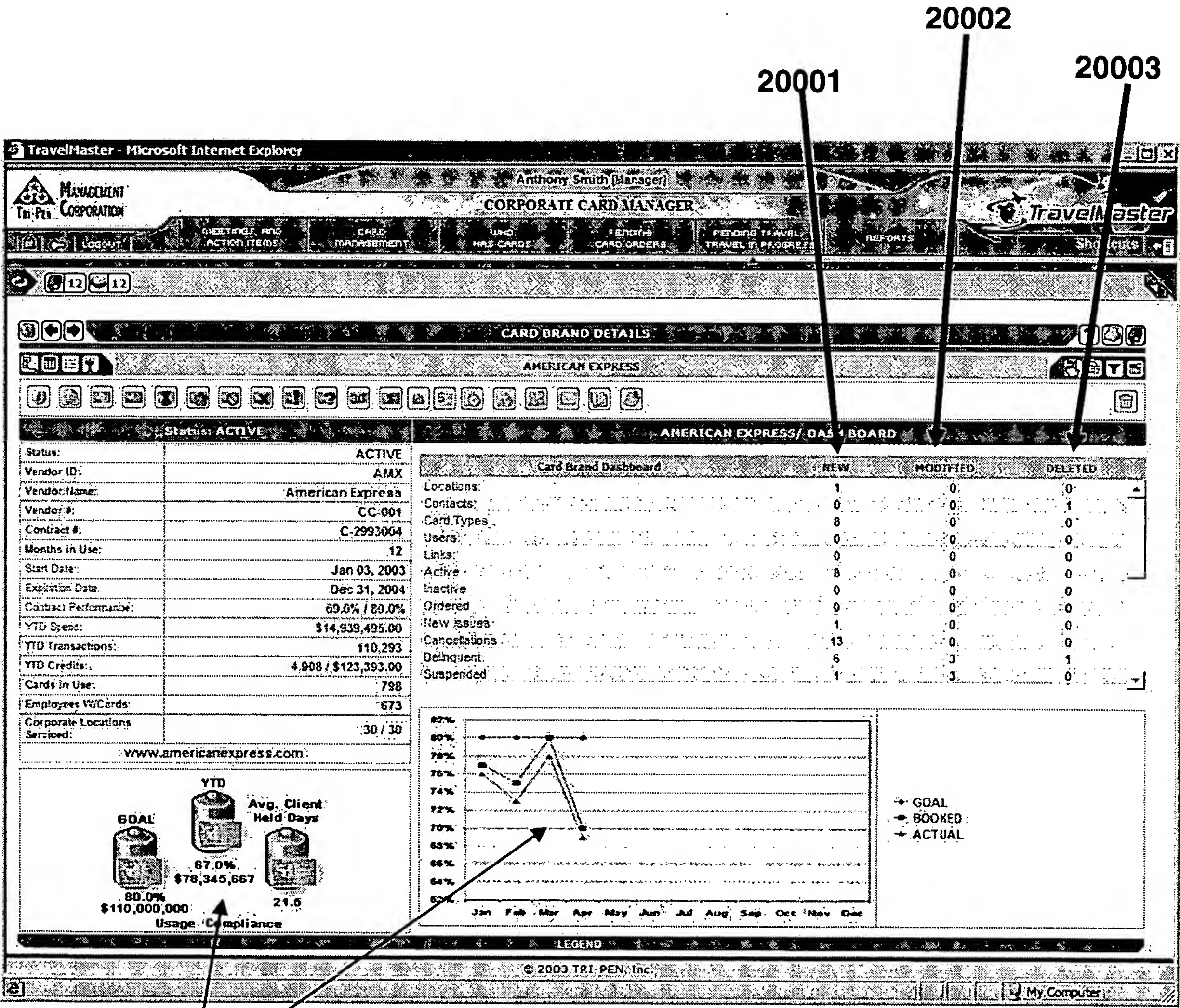
FIGURE 19

19000



19001

FIGURE 20

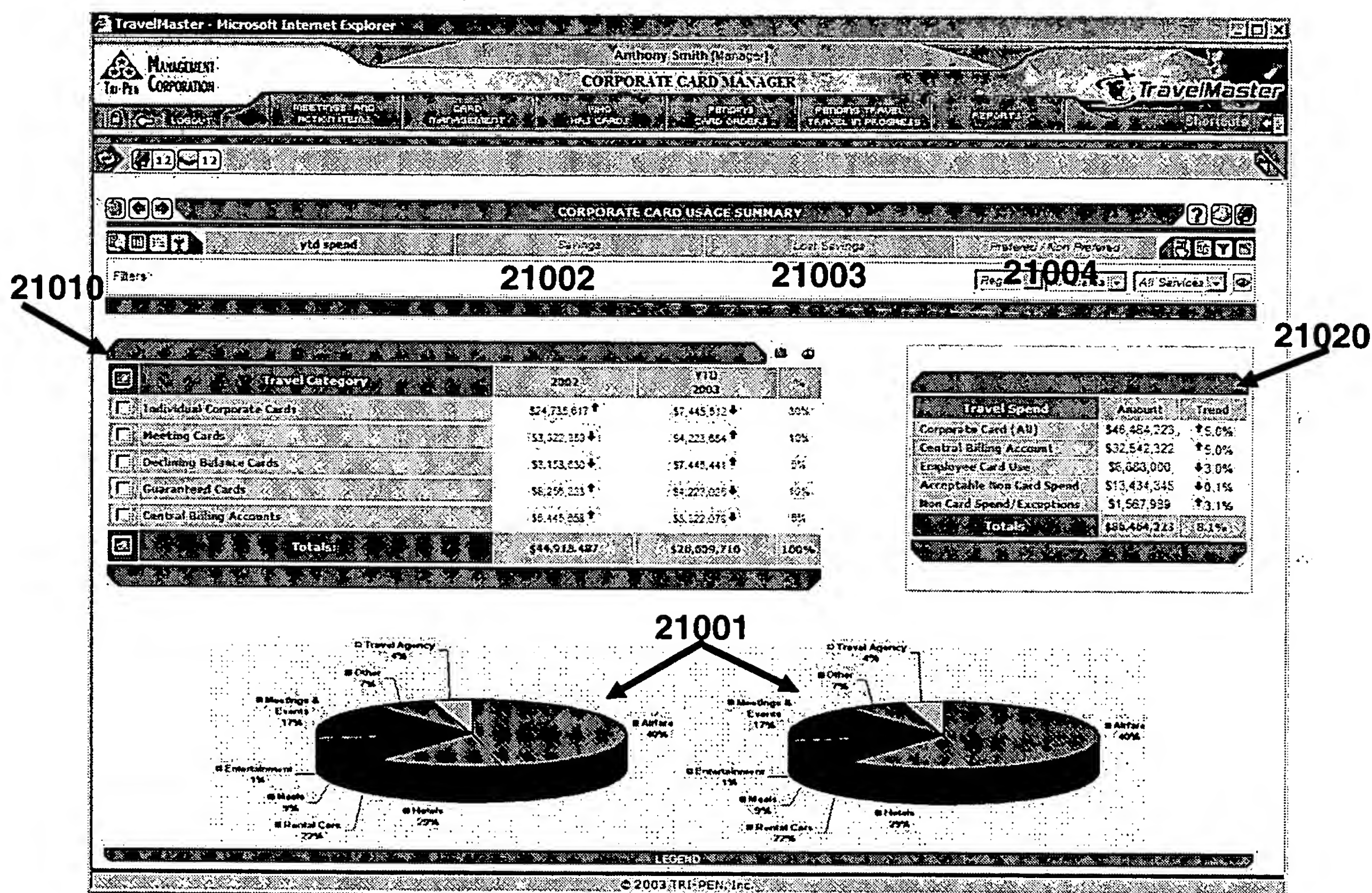


20005

20000



FIGURE 21



## FIGURE 22

22001




FIGURE 23

23001

CORPORATE CARD REPORTS			
Summary	Top Travel Agency	Aging Analysis	Cardmember Behavior
Filters: Current Period All Card Companies All Card Types Date Range			
CORPORATE CARD REPORTS / SUMMARY BY INDUSTRY			
Report Name	Last Update	Reports	# Times Viewed
<input type="checkbox"/> Corporate Card Summary	Jun 23, 2004	0	0
<input type="checkbox"/> Air Booking Source Exception Report	Jun 23, 2004	7	23
<input type="checkbox"/> Delinquency History Report	Jun 23, 2004	0	12
<input type="checkbox"/> Industry Spending Summary	Jun 23, 2004	12	24
<input type="checkbox"/> Interim Summary Report	Jun 23, 2004	4	7
<input type="checkbox"/> International Spending Summary Top 3	Jun 23, 2004	5	3
<input type="checkbox"/> International Spending Summary	Jun 23, 2004	4	6
<input type="checkbox"/> Airline Credit Report	Jun 23, 2004	4	5
<input type="checkbox"/> Airline Spending Summary	Jun 23, 2004	13	10
<input type="checkbox"/> Total Traffic Report by Segment	Jun 23, 2004	0	0
<input type="checkbox"/> Air Booking Source Report	Jun 23, 2004	4	0
<input type="checkbox"/> Cardmember Activity Report	Jun 23, 2004	4	7
<input type="checkbox"/> Cardmember Listing	Jun 23, 2004	0	0
<input type="checkbox"/> Car Rental Spending Summary	Jun 23, 2004	0	0
<input type="checkbox"/> Lodging Spending Summary	Jun 23, 2004	0	0
<input type="checkbox"/> Monthly Issuance Cancellation Report	Jun 23, 2004	11	22
<input type="checkbox"/> Corporate Express Cash, Travelers Cheques	Jun 23, 2004	5	14
<input type="checkbox"/> Pre-Renewal Report	Jun 23, 2004	0	9
<input type="checkbox"/> Restaurant Spend Analysis top 2 states	Jun 23, 2004	0	9
<input type="checkbox"/> Spending Analysis Detail	Jun 23, 2004	7	12
<input type="checkbox"/> Total Traffic Summary By Carrier	Jun 23, 2004	7	12
<input checked="" type="checkbox"/> Totals			
LEGEND			
© 2003 TRIPEN, Inc.			
My Computer			

## FIGURE 24



[LOGOUT](#) | Victoria Wofford [administrator]

**MENU**

- CATEGORY MANAGEMENT
- USER TYPES (ROLES)
- USER MANAGEMENT**
- COMMUNITY MANAGEMENT

**USER MANAGEMENT - Users Listing**

Filters

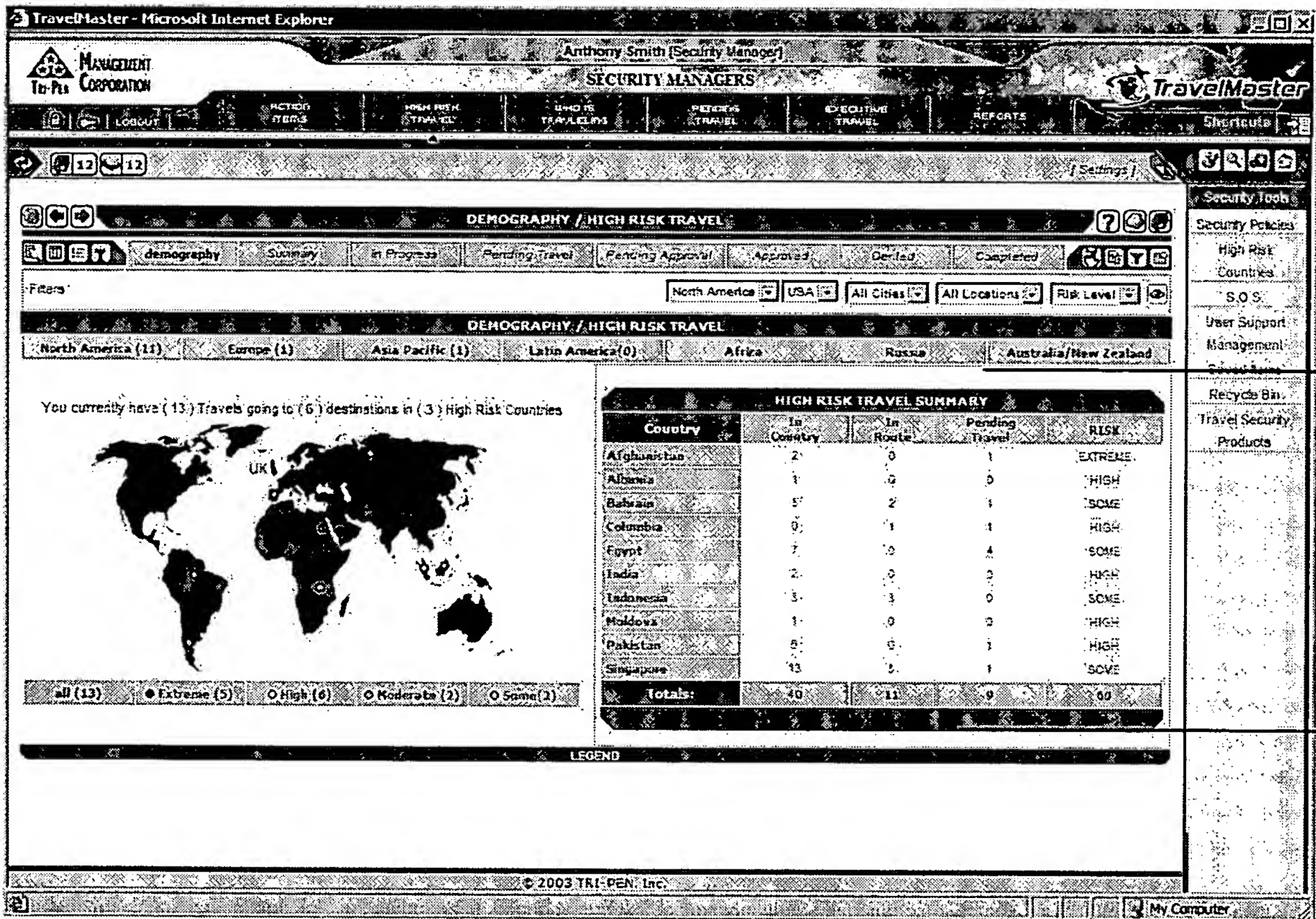
User name: 
User role: 
Company:

Name	Roles	Last login	City/State	Phone	E-mail	Controls
User1	L3Comm Role1	June 23, 2004	New York, NY	(509) 555-1212	user1@user1.com	<input checked="" type="checkbox"/> <input type="button" value="edit"/>
	Loral Role2					
	Tri-Pen Role3					
User2	L3Comm Role1	June 23, 2004	Memphis, TN	(509) 555-1212	user1@user1.com	<input checked="" type="checkbox"/> <input type="button" value="edit"/>
	Loral Role2					
	Tri-Pen Role3					
User3	L3Comm Role1	June 23, 2004	Los Angeles, CA	(509) 555-1212	user1@user1.com	<input checked="" type="checkbox"/> <input type="button" value="edit"/>
	Tri-Pen Role3					
User4	L3Comm Role1	June 23, 2004	New York, NY	(509) 555-1212	user1@user1.com	<input checked="" type="checkbox"/> <input type="button" value="edit"/>
User5	Tri-Pen Role3	June 23, 2004	Memphis, TN	(509) 555-1212	user1@user1.com	<input checked="" type="checkbox"/> <input type="button" value="edit"/>
User6	Tri-Pen Role3	June 23, 2004	Los Angeles, CA	(509) 555-1212	user1@user1.com	<input checked="" type="checkbox"/> <input type="button" value="edit"/>
User1	Tri-Pen Role3	June 23, 2004	Memphis, TN	(509) 555-1212	user1@user1.com	<input checked="" type="checkbox"/> <input type="button" value="edit"/>
User1	Tri-Pen Role3	June 23, 2004	Los Angeles, CA	(509) 555-1212	user1@user1.com	<input checked="" type="checkbox"/> <input type="button" value="edit"/>

24001

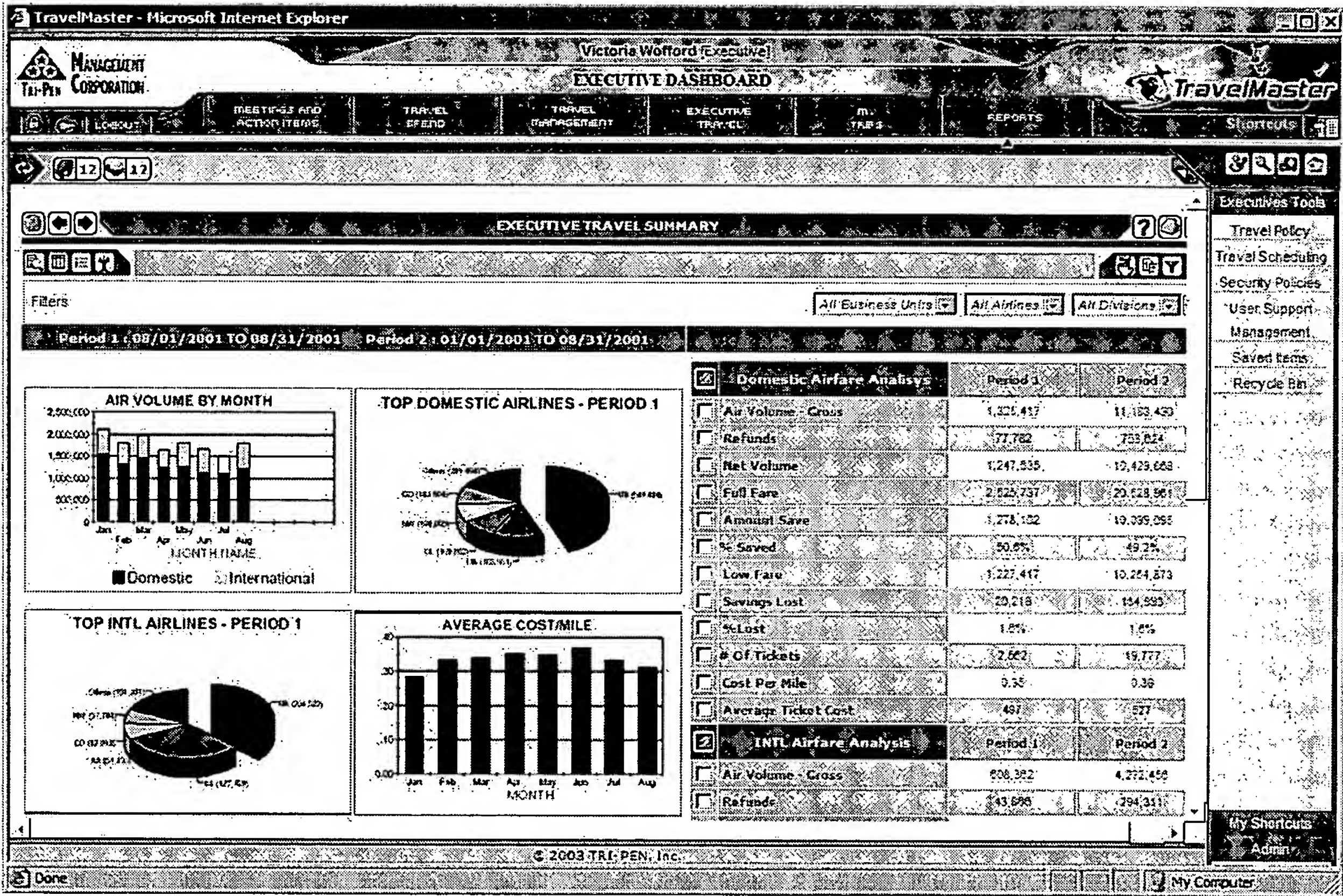


FIGURE 25



25001

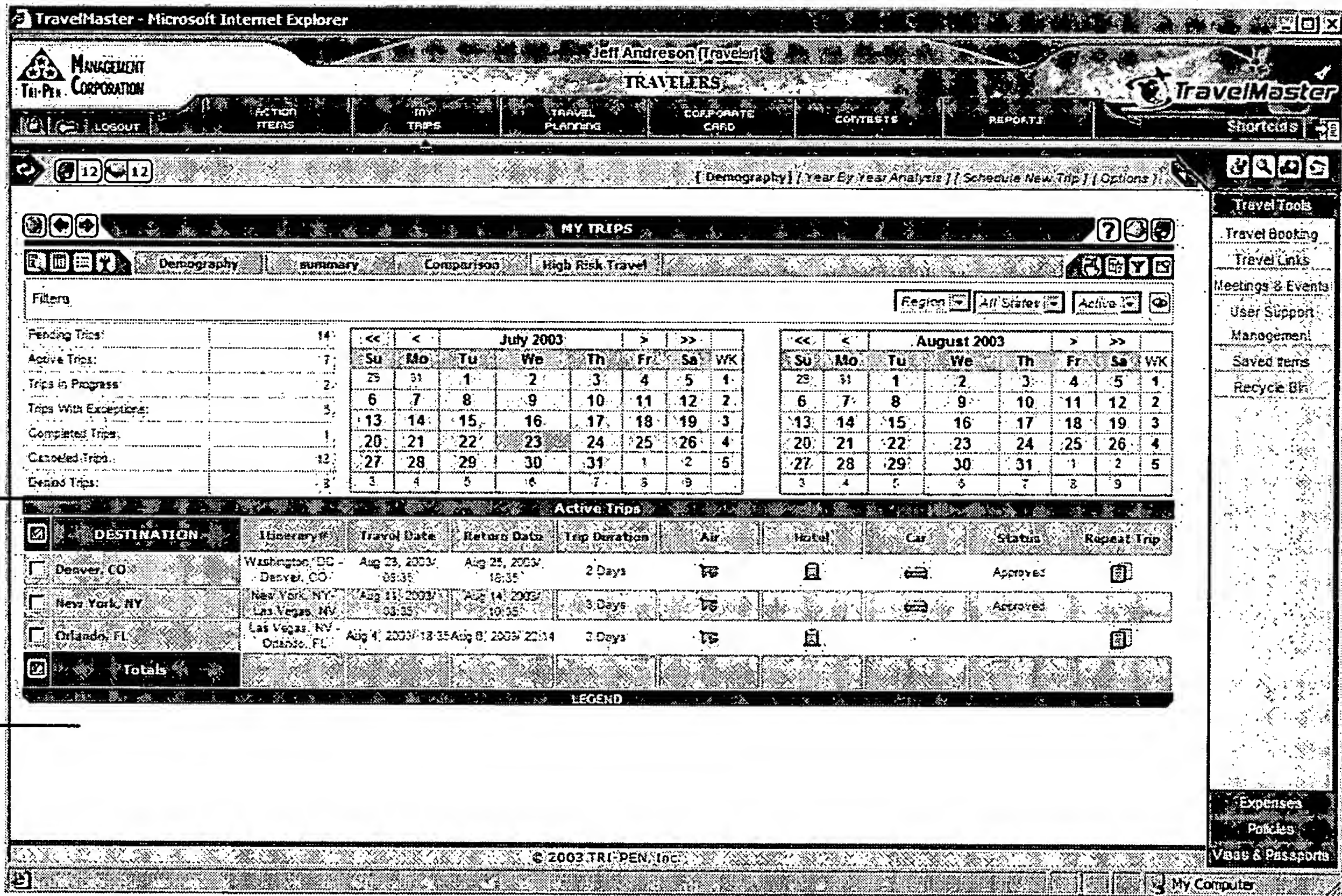
FIGURE 26



26000



FIGURE 27



27001

FIGURE 28

TravelCommander™

File Edit View Format Help

Victoria Wodfford - Online

Messenger

Travel Counselors

Contact List

Tri-Pen Management Corporation

	Name	Phone	Location	Title
▼	My Contacts - 4/12			
	John Smith	(509) 555-1212	Orlando USA	Marketing
	Ashton R. Adams	(509) 555-1212	Denver USA	CTO
	Tim Whitaker	(509) 555-1212	London UK	Sales
	Christian Johansson	(509) 555-1212	London UK	Agent
	Doyal Bryant	(509) 555-1212	London UK	Agent
▶	My Agents - 9/22			
▶	Travel Policy / Approvals / Booking / Management - 9/22			
▶	Security Policy / Health / Safety - 9/22			
▶	Corporate Card Policy / Management - 9/22			
▶	Program & Project Management / Budget Estimating - 12/34			
▶	Administrative Staff / Travel Assistants - 10/31			
▶	Visa's & Passports - 7/21			
▶	Travel Suppliers / Support - 2/10			
▶	Expense Reporting - 4/9			
▶	RFP Management - 9/13			

Travel Policy Exceptions

(2)

(4)

(0)

(0)

(0)

(1)

(239)

(7)

System Notice

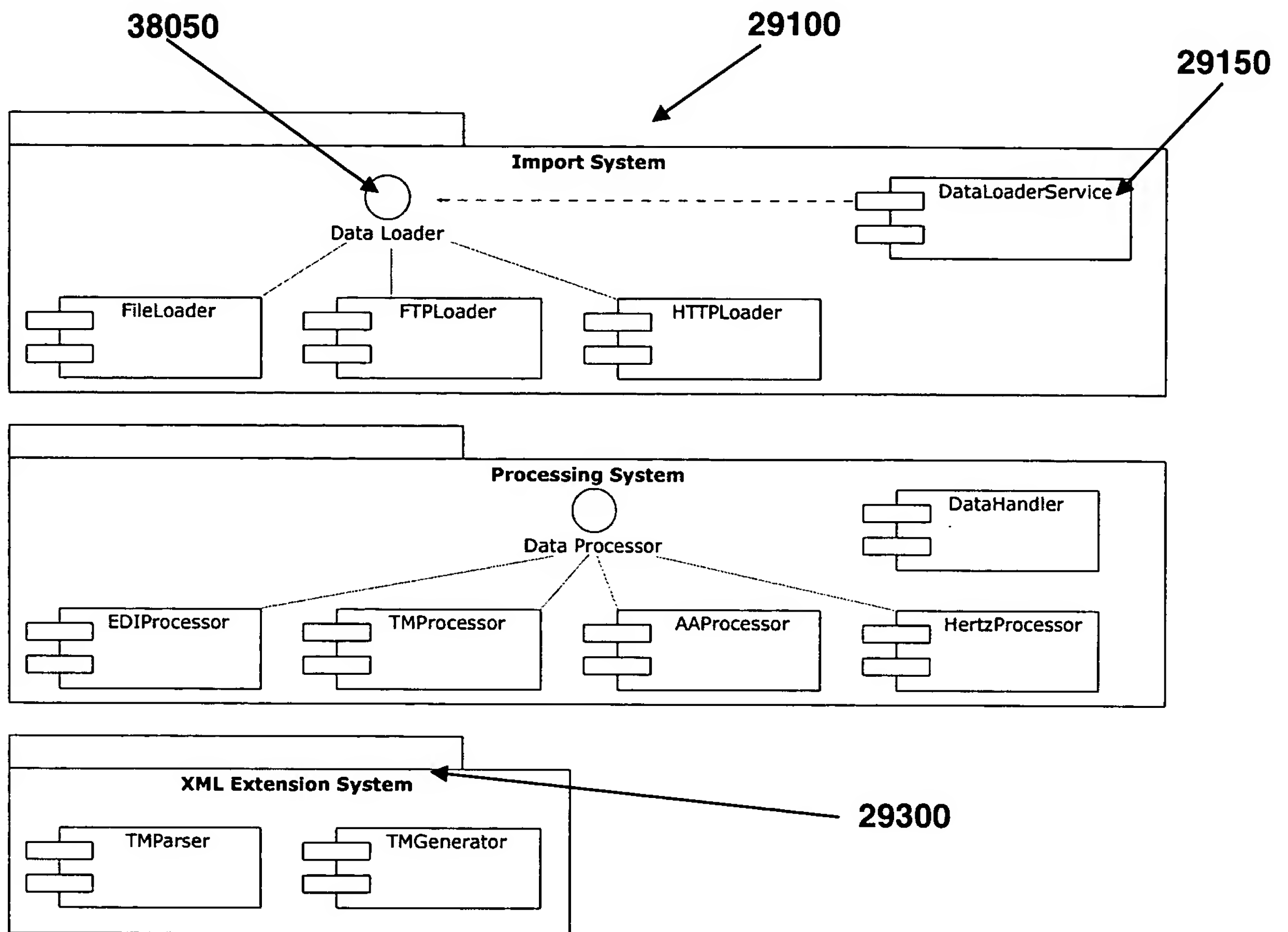
28003

28001

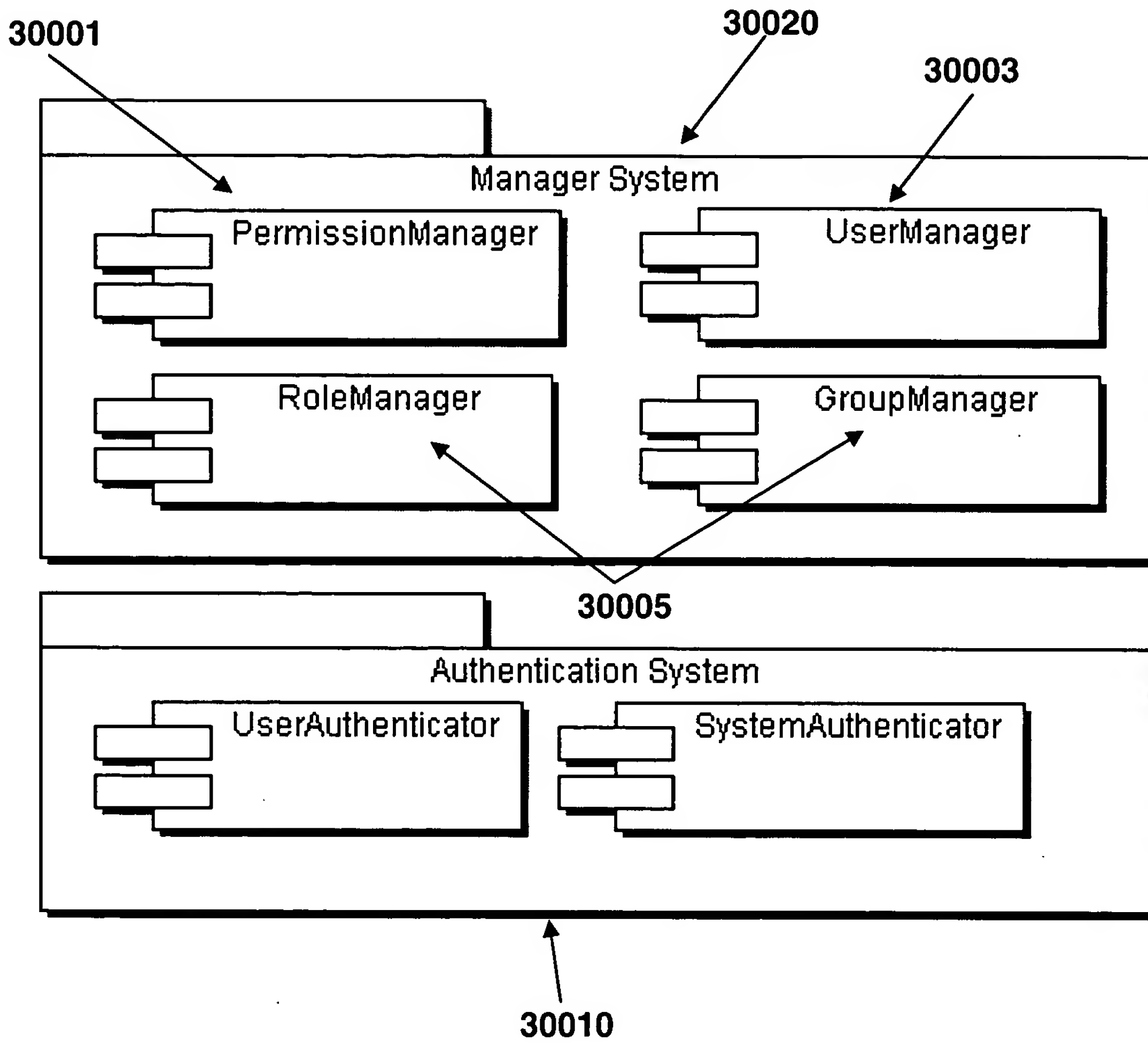
28002



**Figure 29**



**Figure 30**





**Figure 31**

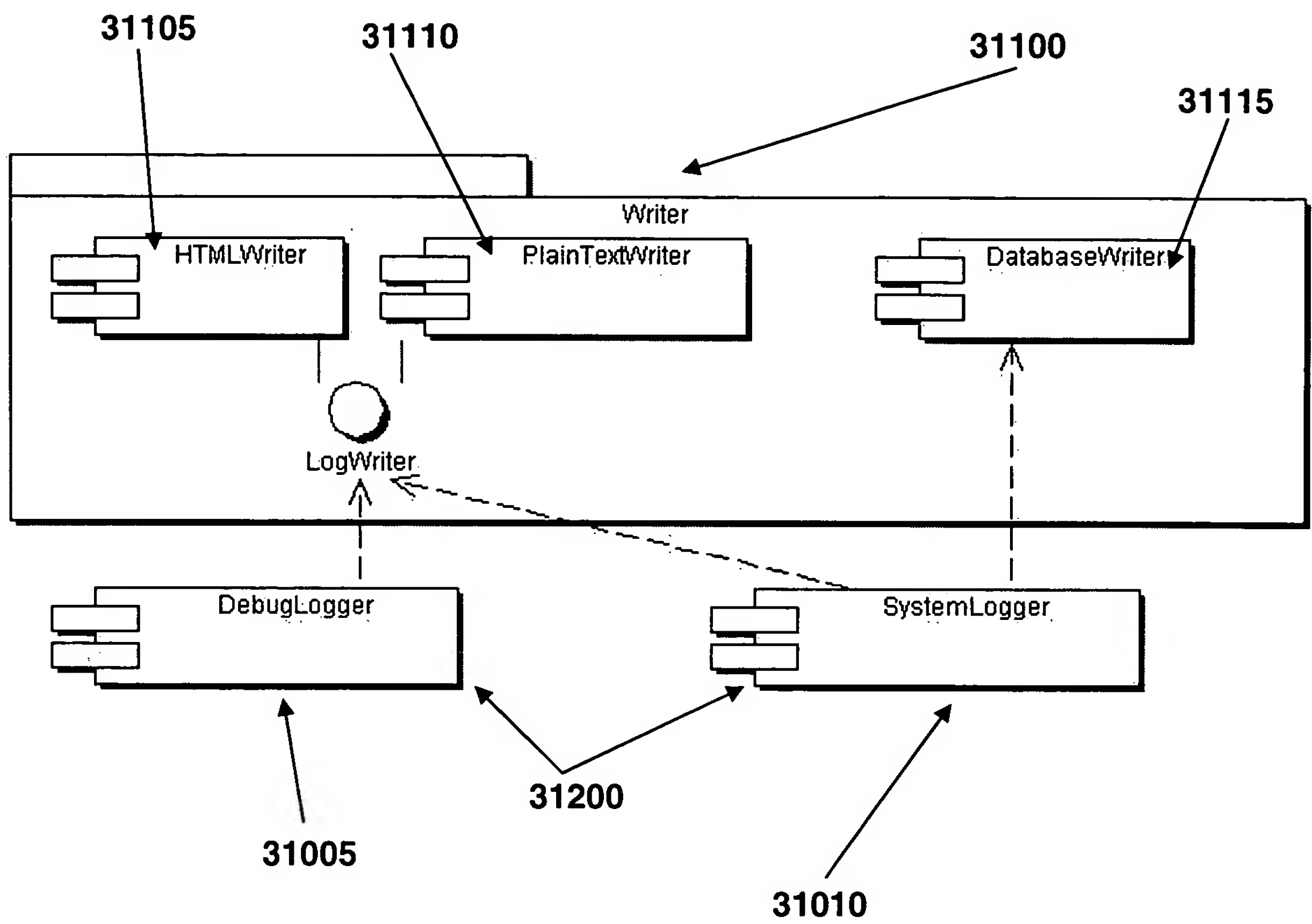
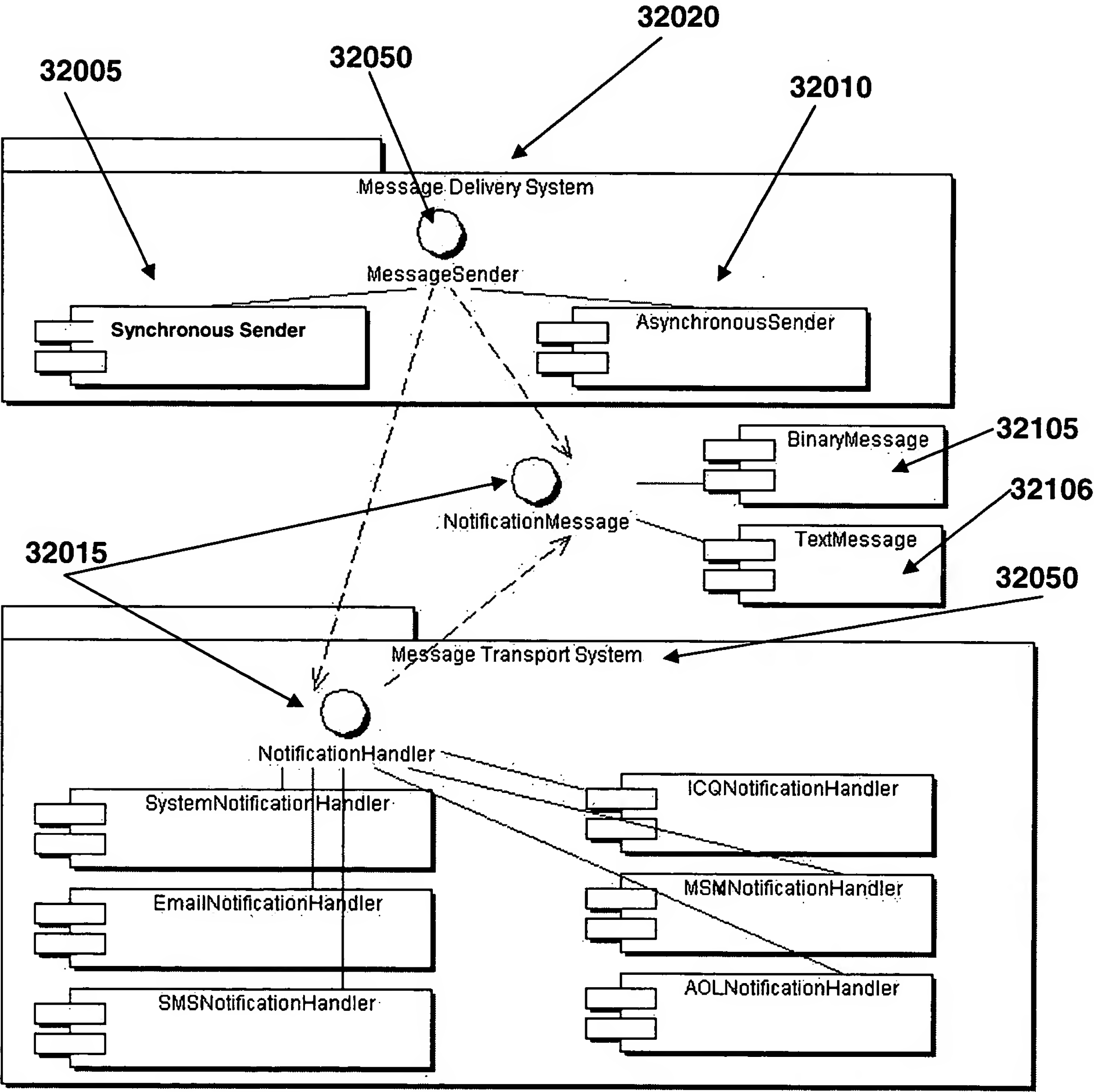


Figure 32





**Figure 33**

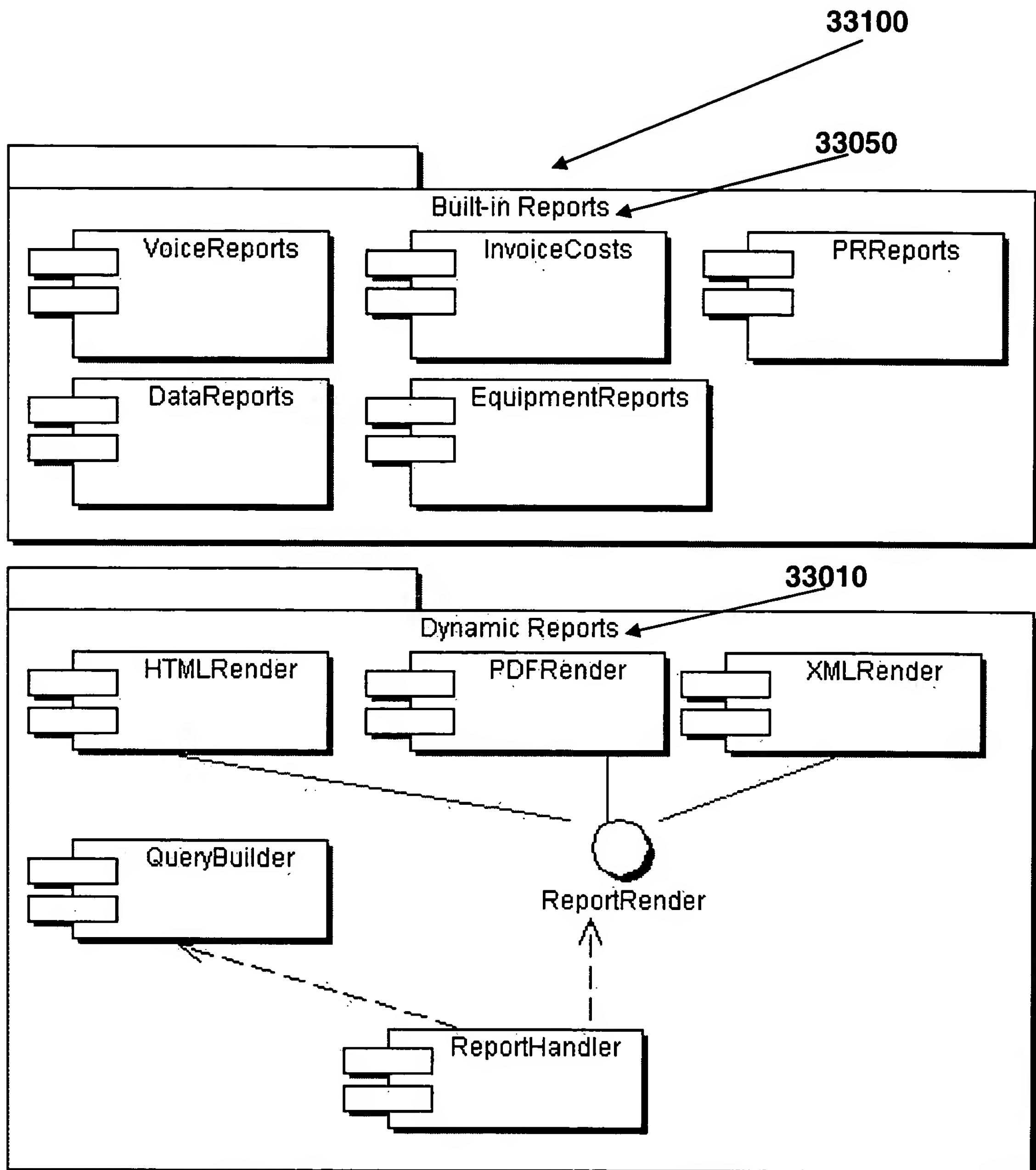



Figure 34



Tri-Pen  
MANAGEMENT CORPORATION

Hotel RFP

HomeOur ClientsEstimated Rooms NightsF.A.Q

Search RFP

RFP Reports

RFP Letter

Users Management

Load New Specification

NBTA Fields

My Account

Logout

View


Approve


Decline


Renegotiate


Hotel Information

Hotel Test 111 Any Town Suite 300, Gaithersburg, United States of America  
ejmartinez@tri-pen.com









Average Rates

27.5


25


25


50


Status: SUBMITTED

Hotel Test Property 2: 243 Maple st , Germantown, United States of America  
ejmartinez@tri-pen.com









Average Rates

27.5

25

25

50

Status: SUBMITTED

34100

34/44



Figure 35

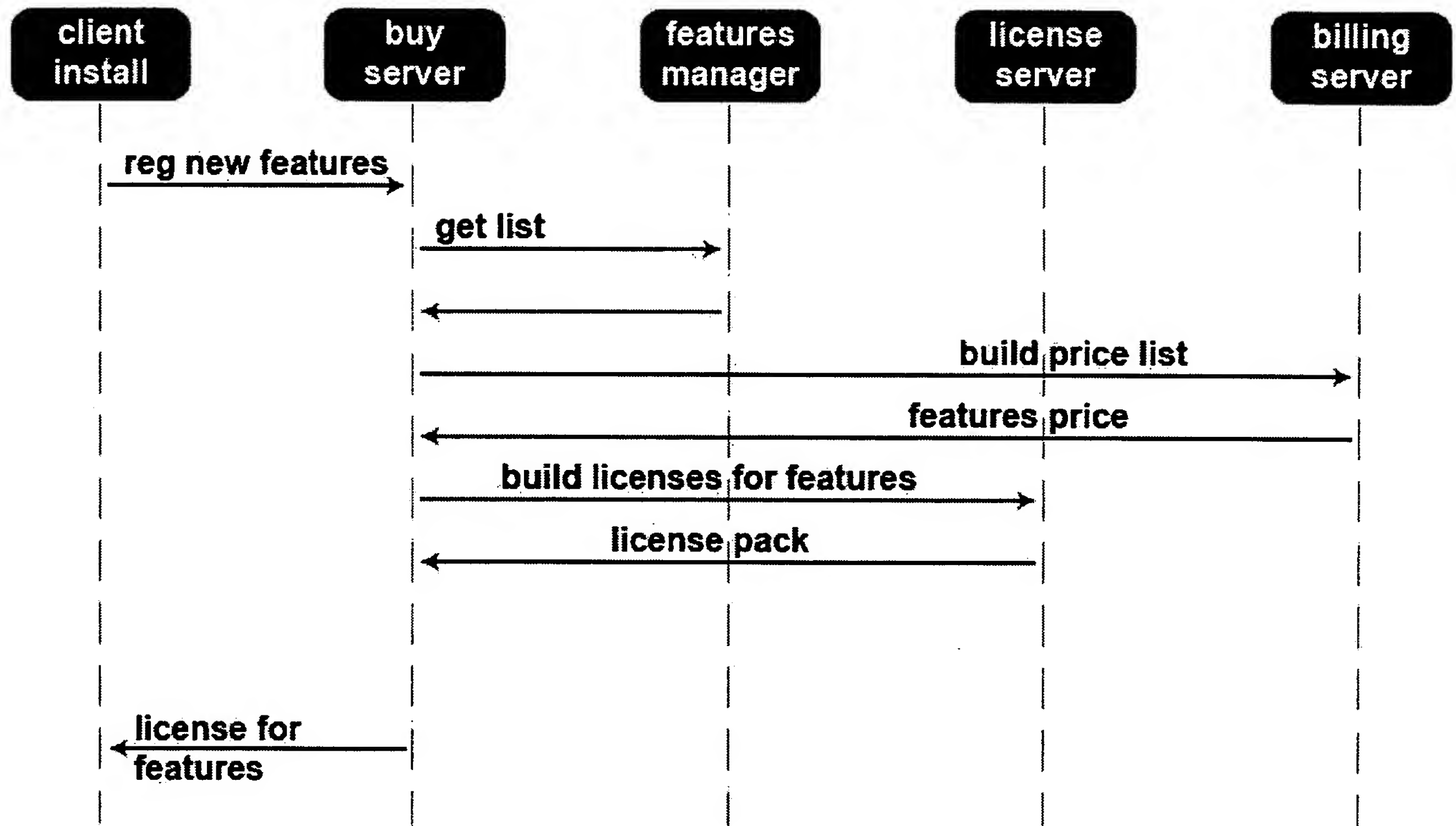


Figure 36

Database Diagram

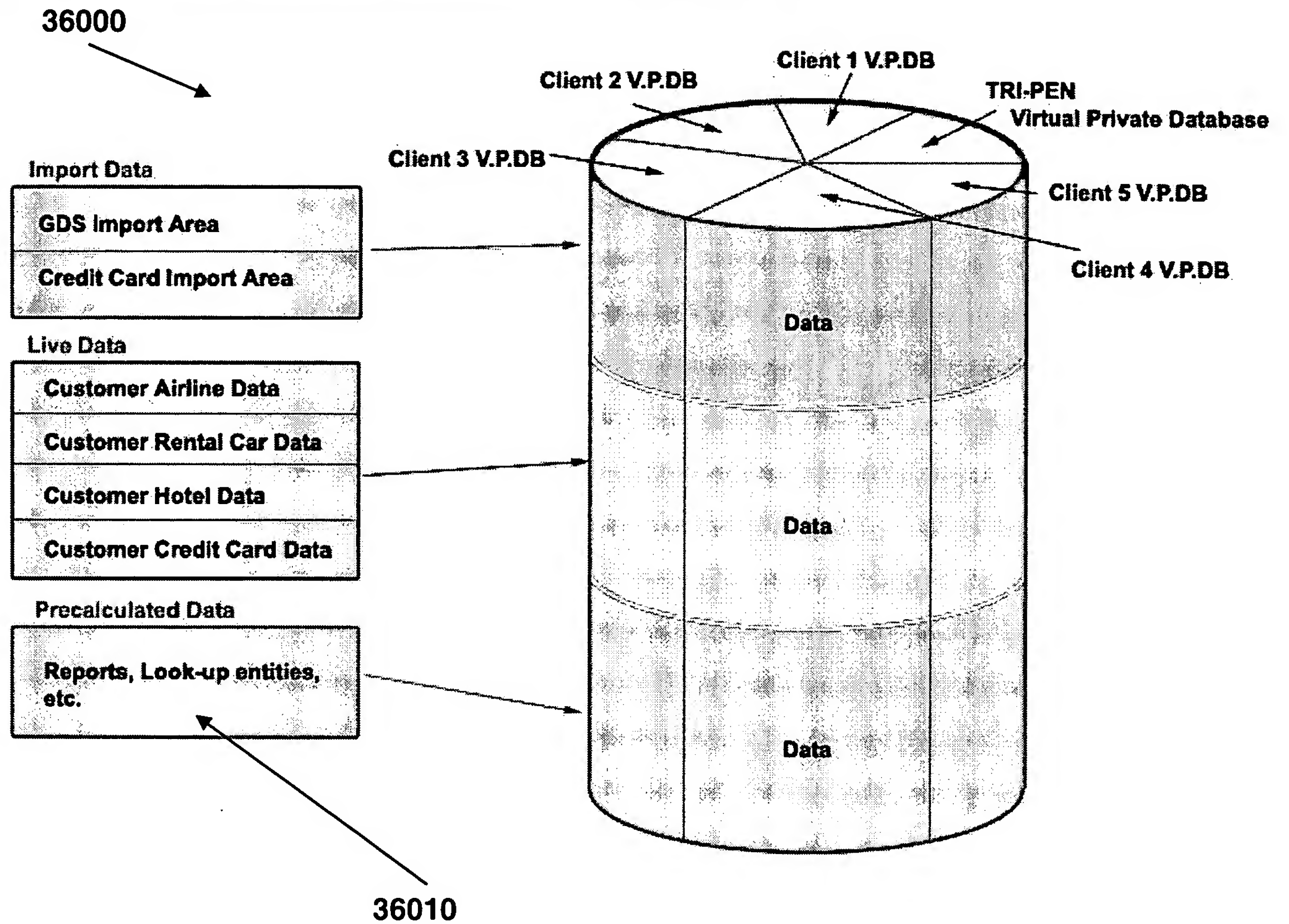




Figure 37

**Pass Through of Direct Commands Within GDS**

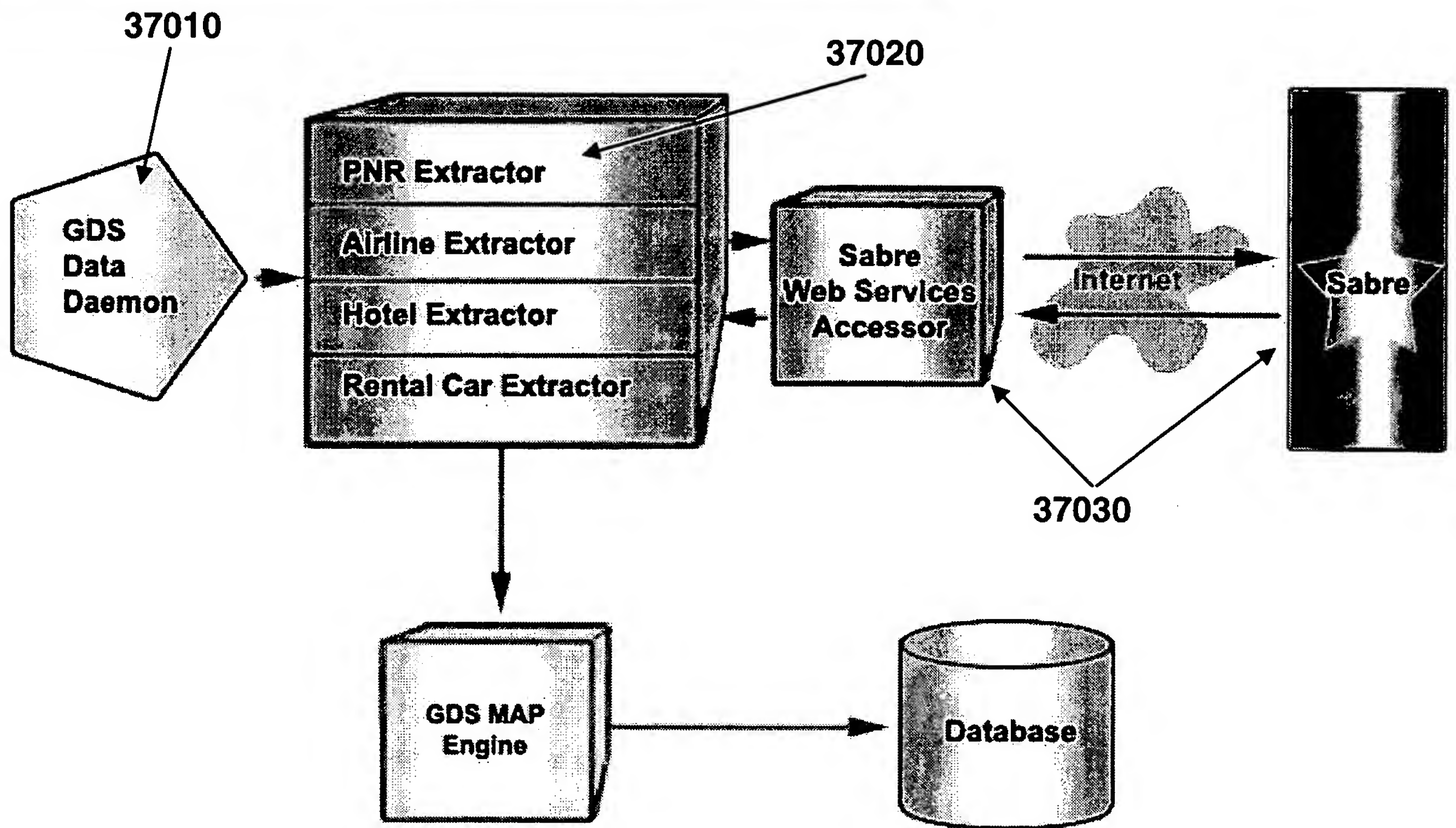


Figure 38

**Import System / Processing System / XML Extension System**

---

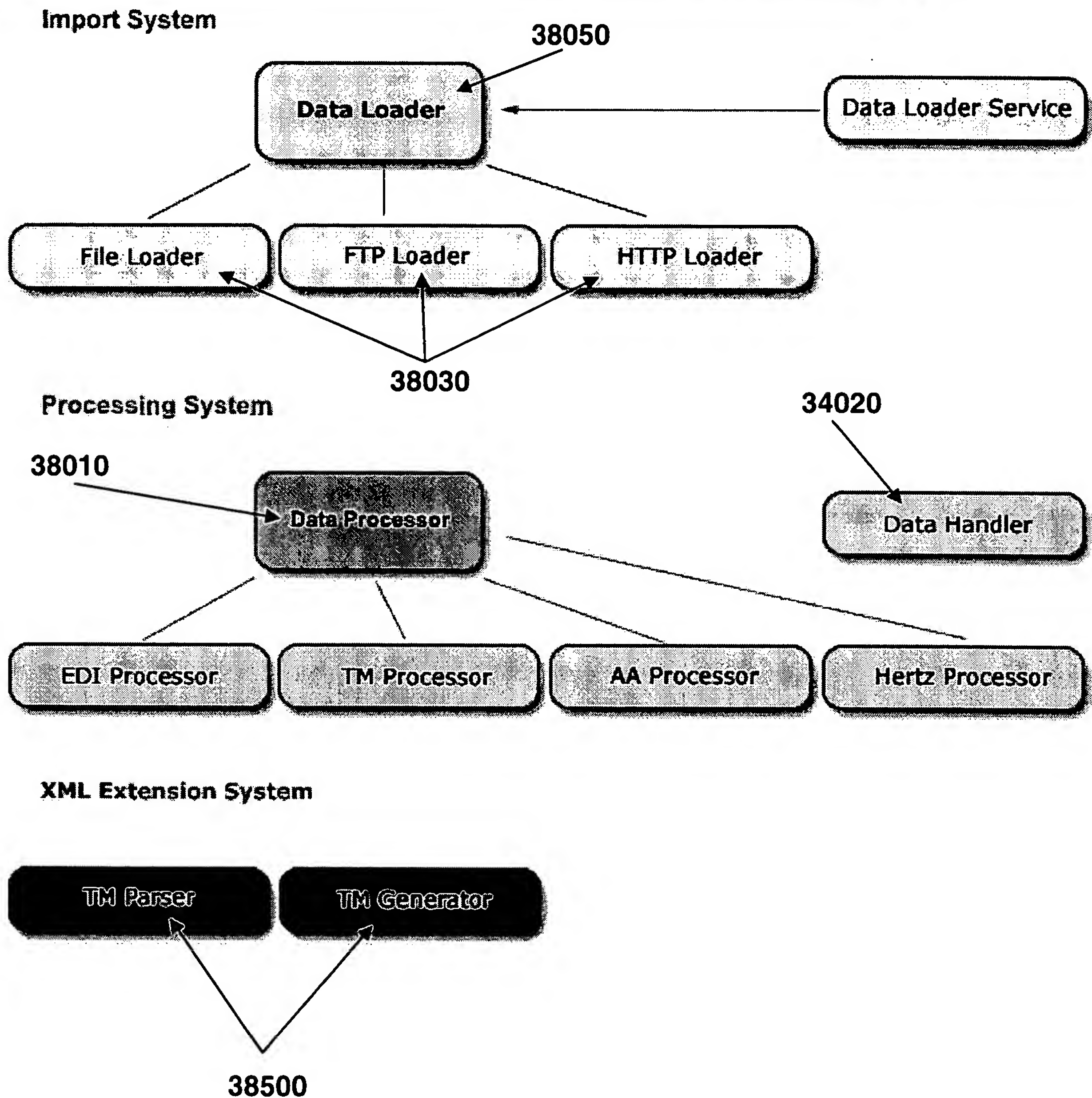




Figure 39

## Layout Manager

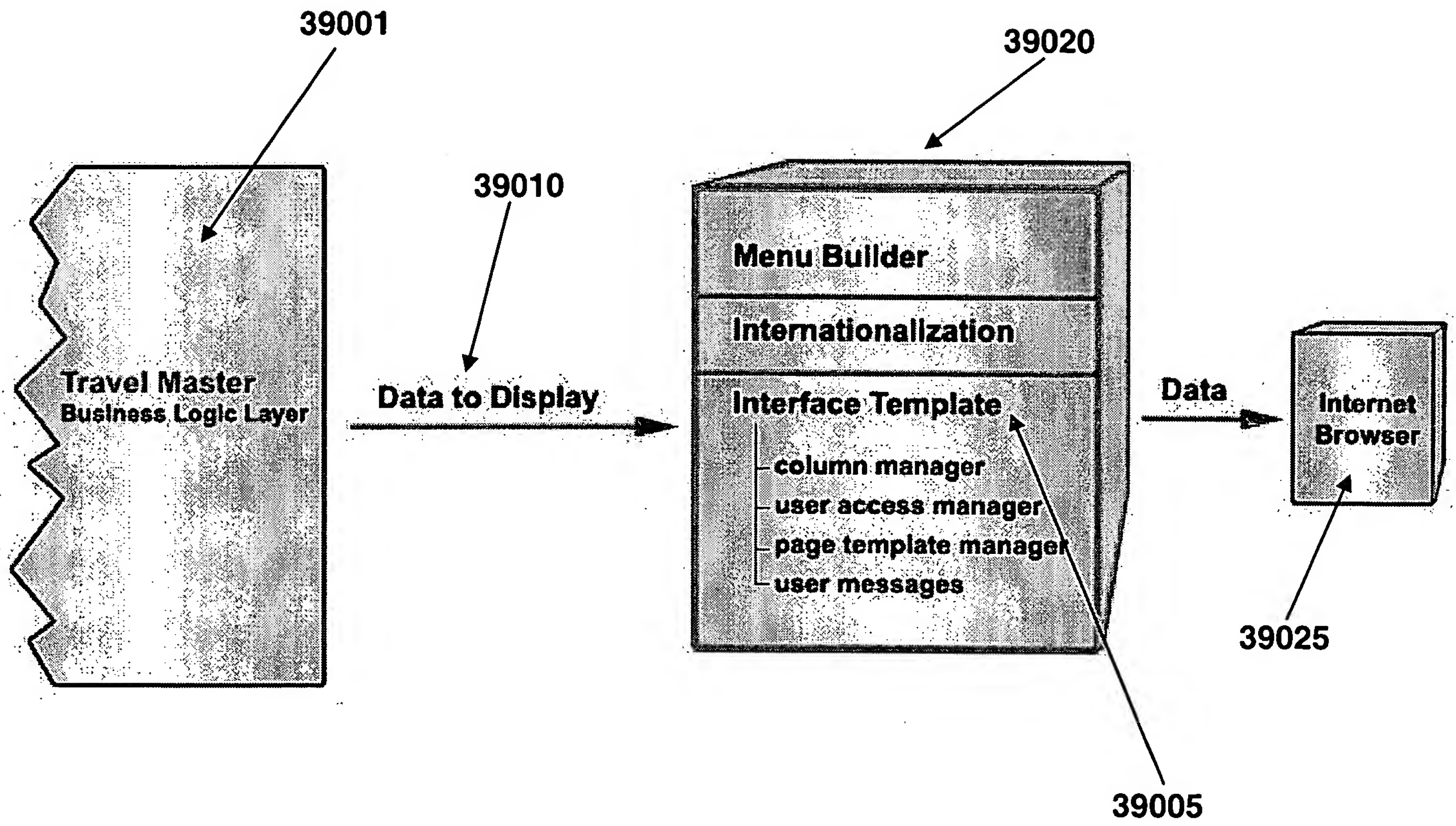


Figure 40

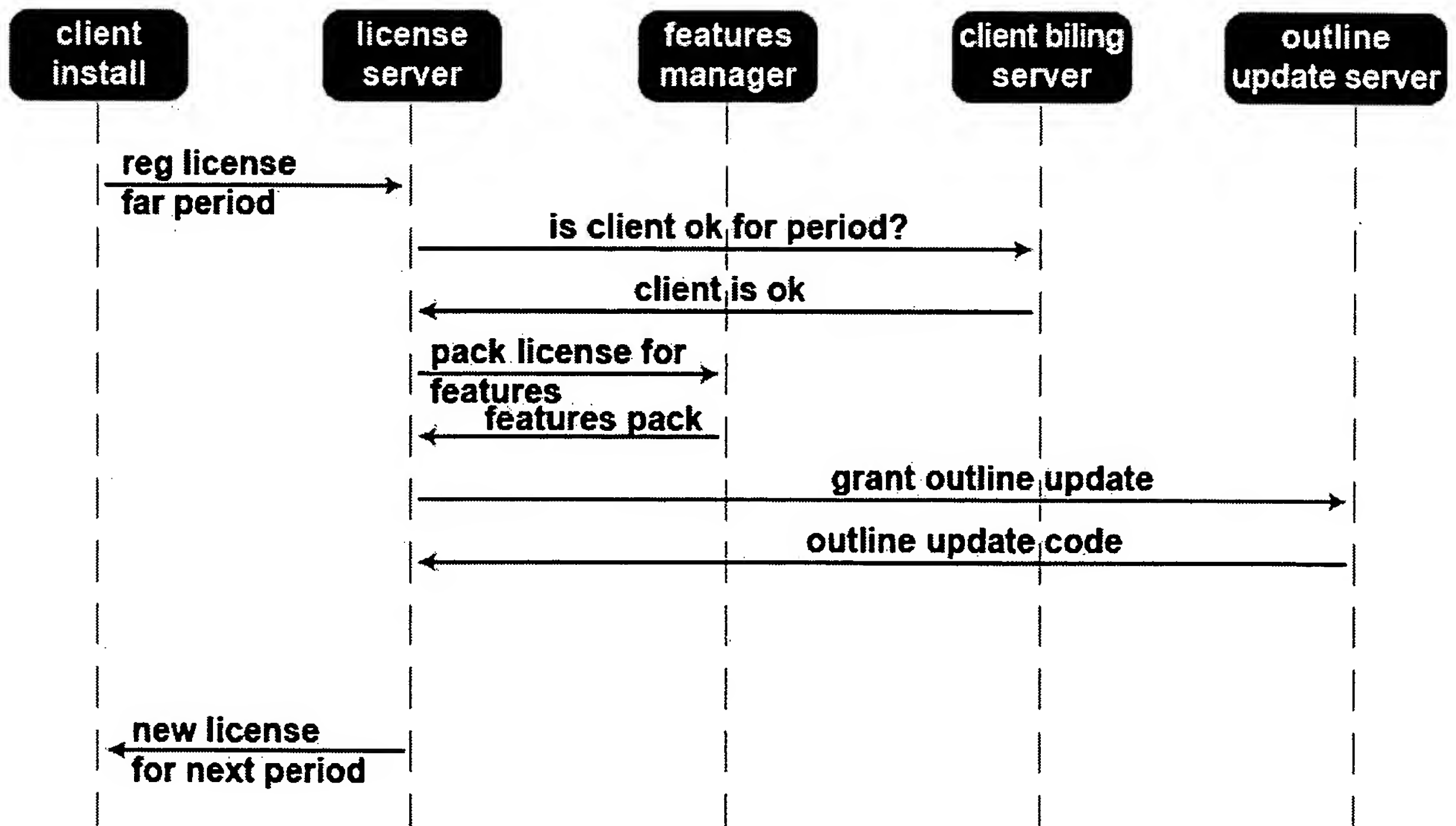
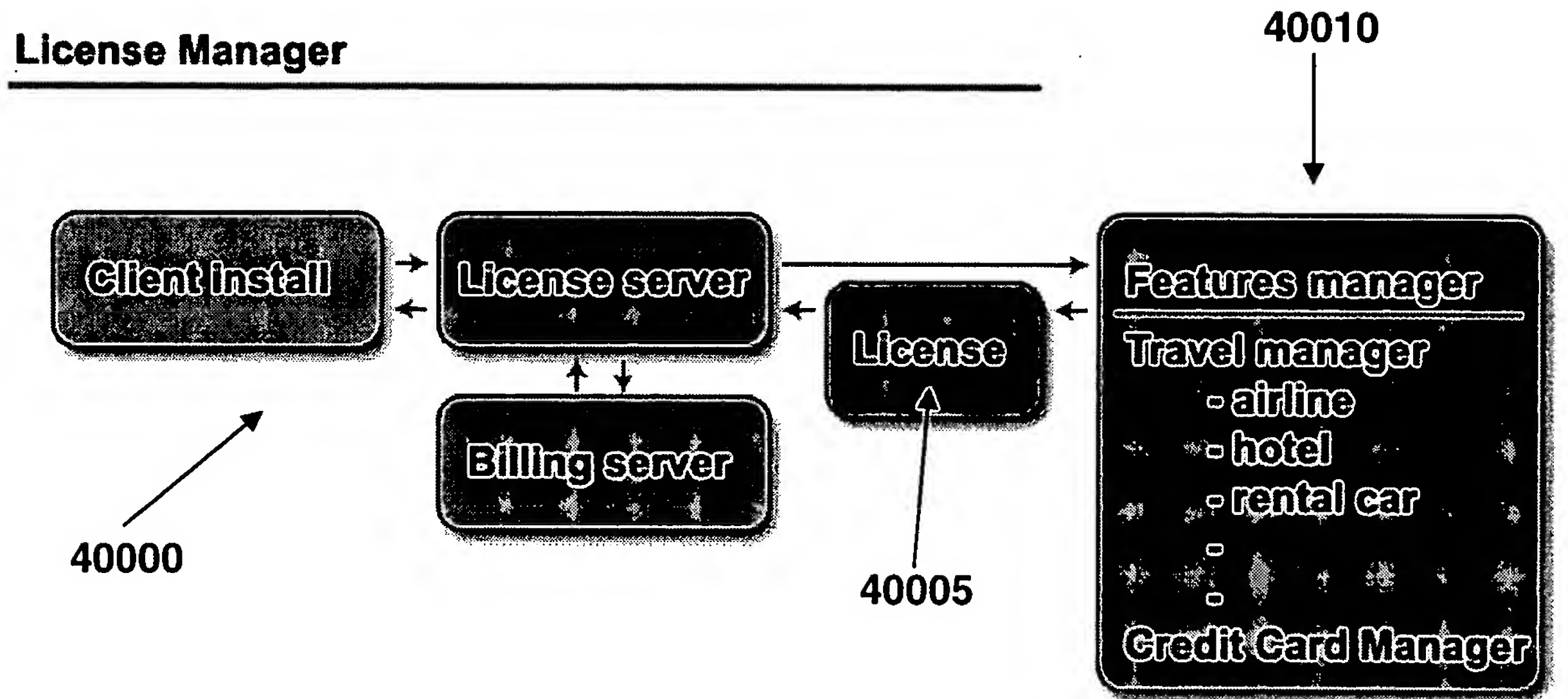
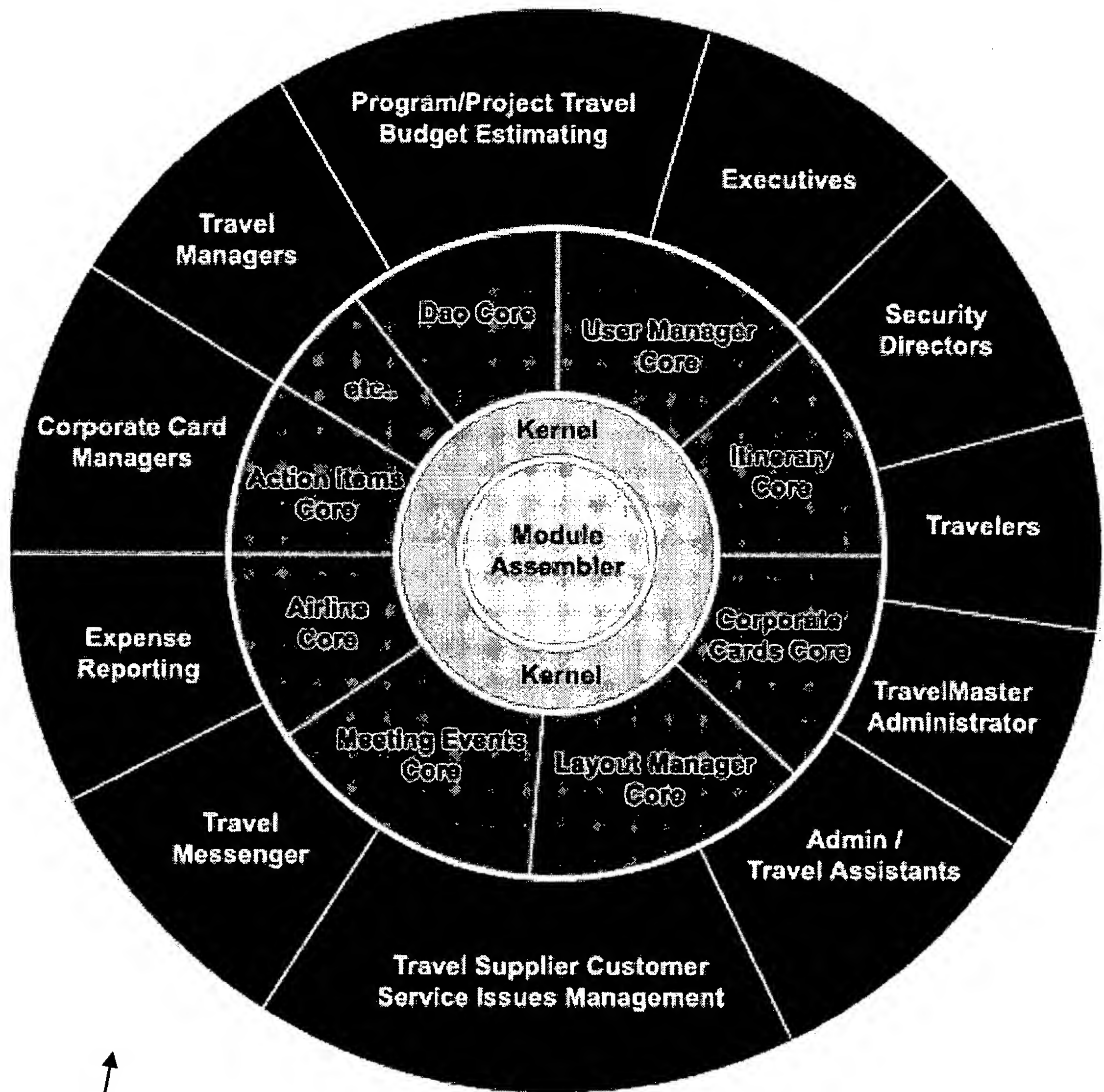




Figure 41

## Plug In Manager



41010

Figure 42

**Pre Travel Process**

---

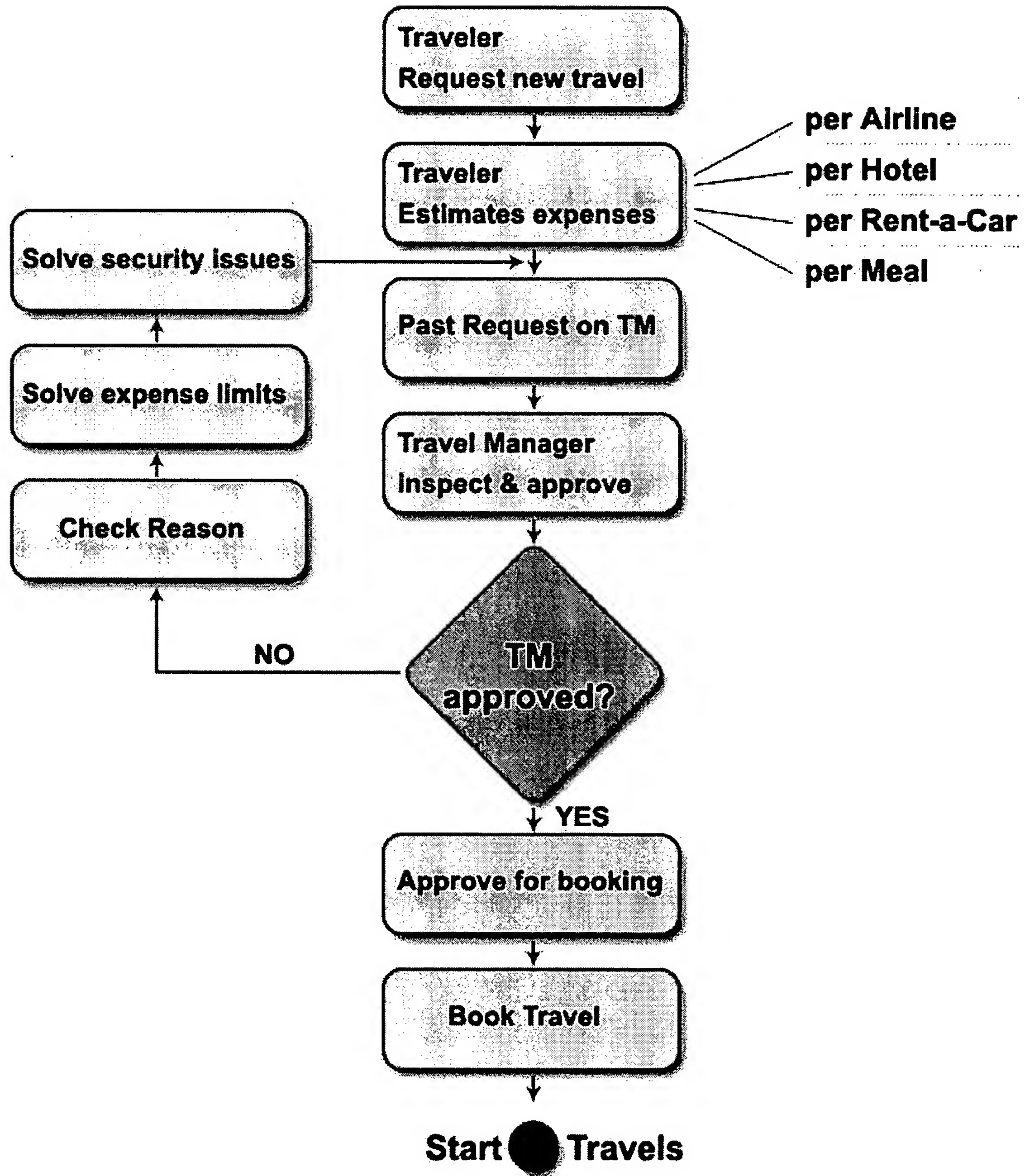
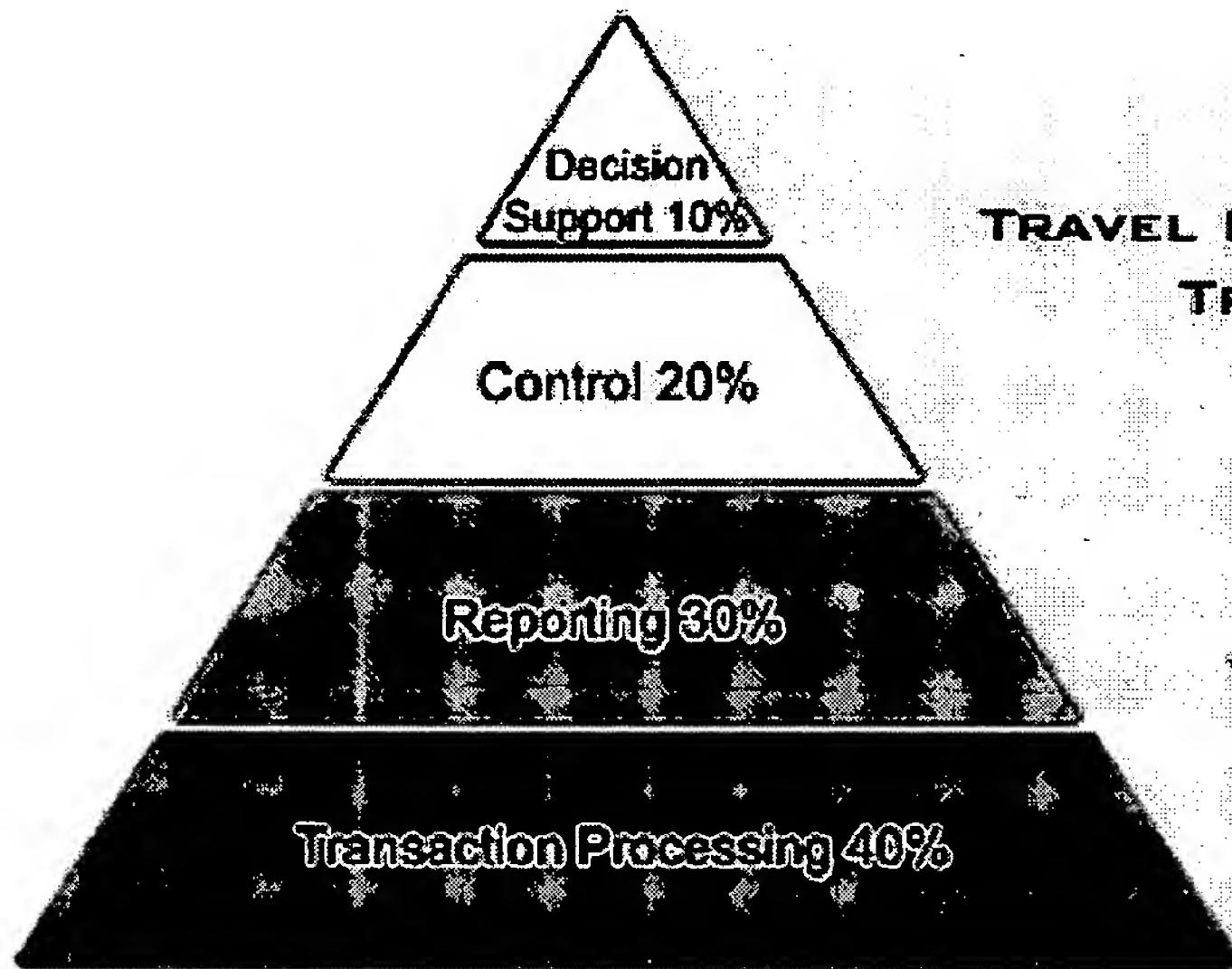




Figure 43

Total Travel Cost Management (TTCM) Cost Reduction

**CURRENT**

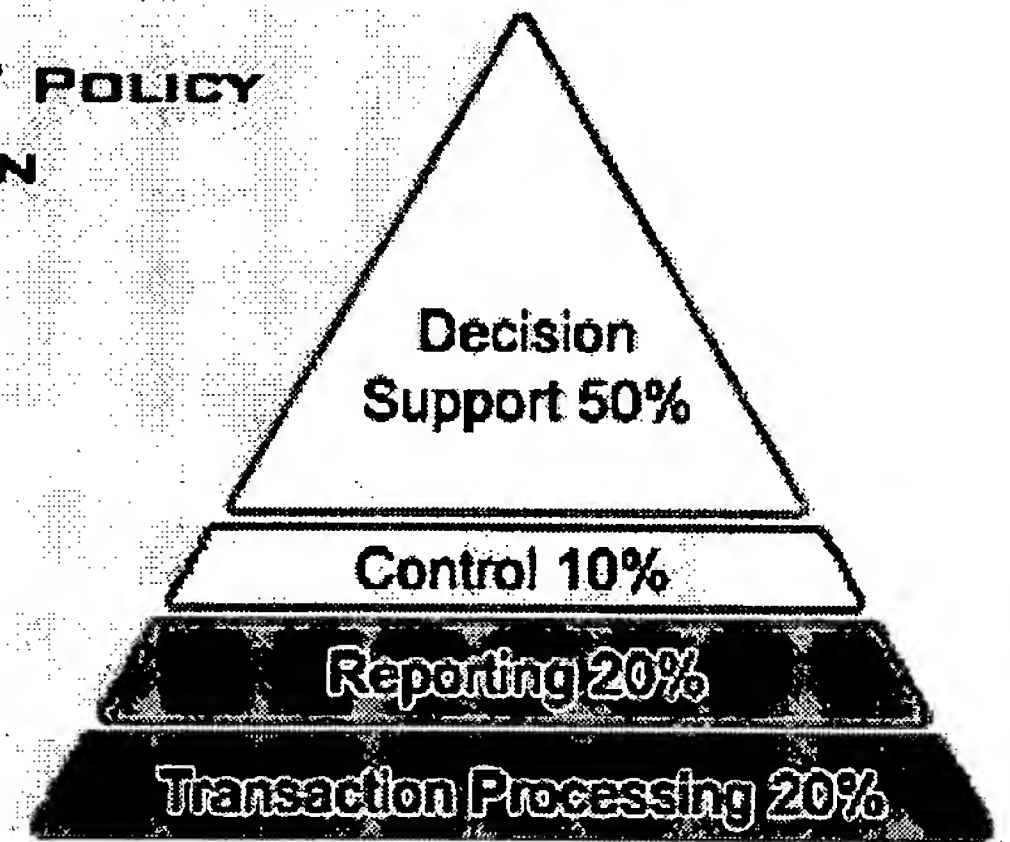


TRAVEL MANAGEMENT / POLICY  
TRANSFORMATION

PROCESS  
REDESIGN

VALUE ADDED  
SYSTEMS  
Integrated  
Travel Data

**POTENTIAL**



**COST REDUCTION**



Figure 44

## Web Based Portal Entry to the TravelMaster System

